



# भारत का राजपत्र

## The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
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Calcutta, the 28th December 1991

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1—387 31/91

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Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 28 दिसम्बर 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडो इस्टेट  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
दिव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,  
61, वालाजाह रोड,  
मद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, वि्वतीय बहुतलीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-  
क्षित सभी आवेदन पत्र, सूचनाएँ, विवरण या अन्य प्रत्येक पेटेंट  
कार्यालय के क्षेत्र उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क—शुल्कों की अदायगी या तो नकद की जायगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
ड्राक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के  
अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा  
चैक द्वारा की जा सकती है ।

## CORRIGENDUM

In the Gazette of India, Part-III, Sec. 2 dated 8th June  
1991 in page 643, for accepted Complete Specification  
No. 168784, read the Application No. as 214/Bom/1988  
instead of 234/Bom/1988.

## REGISTRATION OF PATENT AGENT

The following person has been registered as Patent Agent  
under Section 126(1)(c)(i) of the Patents Act, 1970.

Shri Joseph Sunil Sarkar,  
2, Onrait First Lane,  
Calcutta-700 014.

APPLICATIONS FOR PATENTS FILED AT THE HEAD  
OFFICE

234/4, ACHARYA JAGADISH BOSE ROAD  
CALCUTTA-20

The dates shown in the crescent brackets are the dates  
claimed Under Section 135, of the Patents Act 1970

The 18th November 1991

858/Ca/91 KRONE AKTIEGENSCHAFT, THER-  
MAL OVERLOAD PROTECTION DEVICE  
FOR ELECTRONIC COMPONENTS.

859/Ca/91 MITSUBISHI MATERIALS CORPORATION,  
PROCESS FOR CONTINUOUS COPPER  
SMELTING.

860/Ca/91 MITSUBISHI MATERIALS CORPORATION,  
APPARATUS FOR CONTINUOUS COPPER  
SMELTING.

861/Ca/91 SAMSUNG ELECTRON DEVICES CO LTD.,  
COLOR CATHODE RAY TUBE.

APPLICATIONS FOR PATENTS FILED AT THE PATENT  
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,  
THIRD FLOOR, KAROL BAGH, NEW DELHI-110005.

The 16th September 1991

857/Del/91 Klassic Klarol Filters Pvt. Ltd., “A portable  
cleaning unit for lubricating oils”.

858/Del/91 P.S. Mista & Other, “A process for the manu-  
facture of shaped products from oxide dispersion  
strengthened ferritic alloys”.

859/Del/91 Atlas Powder Co., “A transmitter for transmit-  
ting an input signal from an input line to one or  
more output lines”. [Divisional date 6th July,  
88].

860/Del/91 Atlas Powder Co., “A connector for use in a  
multi-directional initiation system”. [Divisional  
date 6th July, 1988].

861/Del/91 Societe Nationale D' Etude ET De Construction  
De Moteurs D' Aviation “S.N.E.C.M.A.”,  
“Casting mold for single crystal solidification  
casting”.

862/Del/91 Desinsectis Moderne, "Method and apparatus for the deployment of a duct within a mass of powder-like material".

The 17th September 1991

863/Del/91 Motorola Inc., "Dynamic association of re radio data communication system in a pre-existing computer controlled network".

864/Del/91 Ingersoll-Rand Co., "Integrated centrifugal pump and motor".

865/Del/91 The Johnson Corporation, "Anti-corrosive rotary joint".

The 18th September 1991

866/Del/91 Council of Scientific & Industrial Research, "A process for the selective extraction of gold and silver from chalcopyrite concentrates through combined pressure thiourea leaching".

867/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of a new light, hard and tough ferrous alloy of high carbon, low silicon and high aluminium content".

868/Del/91 Shail Mittal, "An improved circuit for measuring electronic, electrical thermal, and chemical parameters and an apparatus incorporating the said circuit".

869/Del/91 Uniroyal Chemical Co., Inc., "Stabilization of polyols with liquid antiscorch composition".

870/Del/91 The Uniroyal Goodrich Tire Co., "Apparatus for controlling steam pressure in a tire during shaping and curing".

871/Del/91 Rokeby Ltd., "Abrasive Tool". (Convention date 19th September 90) (U.K.).

The 19th September 1991

872/Del/91 The Gillette Co., "A razor assembly".

873/Del/91 Klaus Lohner, "Boring head tool cartridge and cartridge mounting arrangement".

874/Del/91 Arun Kumar Patwardhan, "A process for producing a grinding media".

875/Del/91 Arun Kumar Patwardhan, "A process for producing a grinding media".

876/Del/91 Purolator India Ltd., "A filter testing machine".

The 20th September 1991

877/Del/91 Ajendra Kumar Mittal, "A mechanism to convert reciprocating linear motion into circular motion with the use of free-wheels and a bicycle incorporating the mechanism".

878/Del/91 Thumswamy Joseph David, "Portable folded material handling trolley".

879/Del/91 Thumswamy Joseph David, "Winch farming machine and earth moving technology".

880/Del/91 Cosmo Films Ltd., "A process for the preparation of synthetic paper".

881/Del/91 Cosmo Films Ltd., "A process for the preparation of synthetic paper".

882/Del/91 Cosmo Films Ltd., "A process for the preparation of synthetic paper".

883/Del/91 Cosmo Films Ltd., "A process for the preparation of synthetic paper".

884/Del/91 Cosmo Films Ltd., "A process for the preparation of synthetic paper".

The 20th September 1991

885/Del/91 The Procter & Gamble Co., "Absorbent article having improved shape and adhesive fastening means".

886/Del/91 The Procter & Gamble Co., "Aerated and freezer bar soap compositions containing sucrose as a mildness aid and a processing aid".

887/Del/91 The Procter & Gamble Co., "Cleansing compositions". (Convention date 21st September 90) (U.K.).

888/Del/91 The Procter & Gamble Co., "Mild shampoo compositions".

889/Del/91 The Gillette Co., "Shaving system".

890/Del/91 The Gillette Co., "Shaving system".

891/Del/91 The Gillette Co., "Shaving system".

892/Del/91 The Gillette Co., "Shaving system".

893/Del/91 The Gillette Co., "Shaving system".

894/Del/91 The Gillette Co., "Shaving system".

895/Del/91 The Gillette Co., "Shaving system".

896/Del/91 The Gillette Co., "Shaving system".

APPLICATIONS FOR PATENTS FILED AT  
THE PATENT OFFICE BRANCH,  
61, WALLAJAH ROAD, MADRAS-600002

The 7th October 1991

751/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. Intra cranial pressure monitoring system.

752/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. Mediastinal Drainage system.

753/MAS/91 Schubert & Salzer Maschinenfabrik AG. Method and device for forming a thread end reserve winding on spools of a textile machine.

754/MAS/91 T. Sendzimir, Inc., Means and a method of improving the quality of cold rolled stainless steel strip.

755/MAS/91 T. Sendzimir Inc., Method of operation and control of crown adjustment system drives on cluster mills.

756/MAS/91 Elcom A/S. Method for reinforcing and repairing equipment details and components subject to heavy abrasion wear.

The 8th October 1991

757/MAS/91 A Ahlstrom Corporation. Centrifugal separator.

The 9th October 1991

758/MAS/91 Astra Research Centre India. A process for the isolation of a protein. (Divisional to Patent Application No. 84/MAS/89).

759/MAS/91 Astra Research Centre India. A process for the preparation of a vaccine, a diagnostic kit, a diagnostic strip and the diagnostic kit so prepared. (Divisional to Patent Application No. 84/MAS/89).

760/MAS/91 Astra Research Centre India. An in vitro immunoassay diagnostic method. (Divisional to Patent Application No. 605/MAS/91).

The 10th October 1991

761/MAS/91 Girivas Viswanath Shet. Issuing quality guarantee confident cords along with the Kasthuri (Musk) oil perfumery grade.

762/MAS/91 Vorwerk & Co. Interholding GmbH. Hand vacuum cleaning device.

763/MAS/91 Michael Ludwig Zeffner. Piston suspension for a reciprocating piston engine.

764/MAS/91 Idemitsu Petrochemical Co., Ltd., Production of linear—Olefin.

765/MAS/91 Rockwell International Corporation. A Piezoelectric shear motor. (Divisional to Patent Application No. 668/MAS/88).

11th October 1991

766/MAS/91 V. Isaac Abraham. Pen typewriter.

767/MAS/91 Secretary of State for Energy in Her Britannic Majesty's Government of the United Kingdom. Wave power apparatus. (October 18, 1990; United Kingdom).

768/MAS/91 Instytut Włókiennictwa and Adbivyn ag. Improvements in and relating to conductive fibres. (March 28, 1991; United Kingdom).

#### Alteration of date Under Section 16

169807

(464/Cal/90) Ante dated to February 10, 1988.

169808

(503/Cal/90) Ante dated to June 17, 1987.

169809

(653/Cal/90) Ante dated to July 26, 1988.

169812

(1148/Del/88) Ante dated to April 18, 1986.

169813

(16/Del/89) Ante dated to June 3, 1986.

169814

(499/Del/89) Ante dated to February 24, 1986.

169815

(17/Del/89) Ante dated to June 3, 1986.

169816

(261/Del/88) Ante dated to March 5, 1986.

169820

(502/Del/88) Ante dated to November 15, 1985.

169821

(245/Bom/85) Ante dated to March 25, 1983.

169837

(319/Cal/89) Ante dated to June 1, 1987.

169839

(534/Cal/89) Ante dated to December 10, 1986.

169840

(710/Cal/89) Ante dated to February 13, 1987.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classification given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government

of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संबंध में नीचे दिए गए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूचीगत विनिर्देशों की सीमित संख्याक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देशों की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरंत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl.: 83B

169801

Int. Cl. A231 3/00

METHOD OF AND APPARATUS FOR PRODUCING A STERILIZED RAW VEGETABLE PRODUCT.

Applicant: McCORMICK & COMPANY, INCORPORATED, 11350 McCORMICK ROAD, HUNT VALLEY, MARYLAND 21031 U.S.A.

Inventors: (1) DANIEL HENRY DUDEK, (2) STEVEN MICHAEL JOHNSON, (3) RON CHING HSIEH.

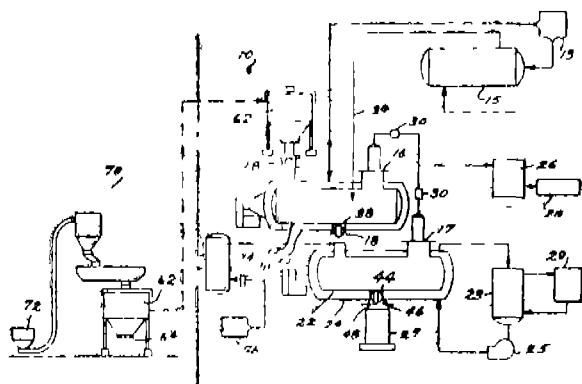
Application No. 842/Cal/1987 filed 27 October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims

A method of producing a sterilized raw vegetable product such as leafy herbs and spices so as to reduce loss of volatile material from the vegetable product comprising the steps of

preheating the interior of a closed container to a temperature such as herein described, loading a pre-selected quantity of the vegetable product into the container, injecting sterilizing steam such as herein described into the container for a pre-determined time sufficient to reduce the bacteria present in or on the product to desired level, depending e.g. on the end use of the raw vegetable product, then lowering the pressure in the container to below atmospheric while cooling the product in the container then raising the pressure in the container by introducing a substantially bacteria-free gas, such as herein described, and then evacuating the contents of the container.



(Compl. Specn. 16 pages.

Drgs. 1 sheet)

Cl. 127G.

169802

Int. Cl. F16h 3/00.

#### A CHANGE GEAR MECHANICAL TRANSMISSION SYSTEM.

Applicant: EATON CORPORATION, 1111 SUPERIOR AVE CLEVELAND, OHIO 44114, U.S.A.

Inventors: (1) JOHN ROLAND VANDERVOORT, (2) ALAN RICHARD DAVIS

Application No. 145/Cal/1988 filed 17 February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A change gear mechanical transmission (12) system comprising:

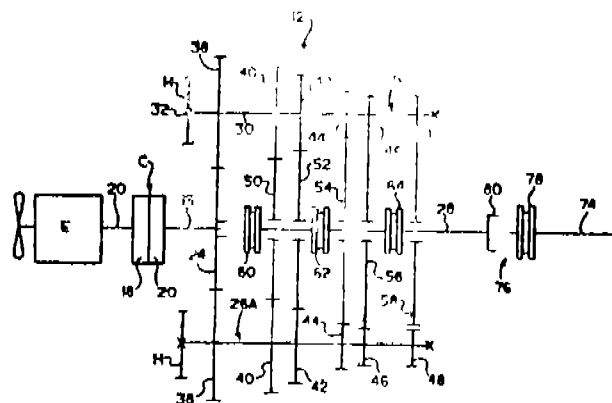
an input component comprising an input shaft (16), an input gear (24) adapted to be rotationally fixed to said input shaft, at least one countershaft (26, 26A) carrying a plurality of countershaft gears (38, 40, 42, 44, 46, 48) thereon, one said gear (38) of said countershaft gears constantly meshed with said input gear and a plurality of mainshaft gears (50, 52, 54, 56, 58) constantly meshed with other of said countershaft gears;

a connecting component comprising a mainshaft (28) and a plurality of first mainshaft clutch members (60, 62, 64) and a second mainshaft clutch member (80) rotationally fixed to said mainshaft, said connecting component independently rotatable of said input component;

an output component comprising an output shaft (74), said output component independently rotatable of said connecting component;

said mainshaft gears selectively clutchable one at a time to said mainshaft by first clutch means including said first clutch members,

wherein said output component is drivably engageable and disengageable to said mainshaft by second clutch means (76) including said second mainshaft clutch member.



(Compl. Specn. 35 pages.

Drgs. 12 sheets)

Cl. 105-C

169803

Int. Cl. G01p 3/42.

#### AN APPARATUS FOR DETECTING SPEED OF AN ELECTRICAL MACHINE.

Applicant: SIEMENS AKTIENGESellschaft, WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors: (1) GERHARD TRENKLER, (2) HARTMUT SCHOLLMEYER, (3) THOMAS NIPPERT, (4) REINHARD MAIER.

Application No. 310/Cal/1988 filed April 18, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

An apparatus for detecting the speed of an electrical machine comprising:—

preprocessing and filtering means, coupled to the machine for preprocessing and filtering an electrical signal associated with the machine to produce a preprocessed and filtered output signal;

tracking and identifying means for tracking and identifying

domain output signal to produce an output signal for further processing in said tracking and identifying means and evaluating means respectively.

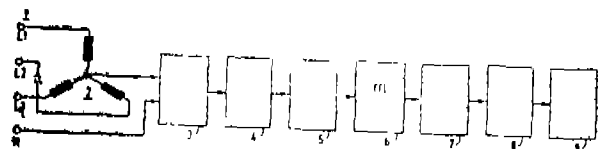


FIG 1

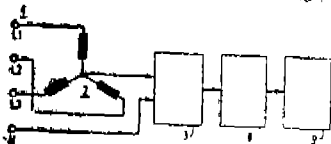


FIG 2

(Compl. Specn. 12 pages.

Drgs. 1 sheet)

Cl. 2B<sub>3</sub>

169804

Int. Cl. G09g 3/00, 3/32, G09f 19/20.

#### A VARIABLE COLOUR DISPLAY DEVICE.

Applicant & Inventor : KAREL HAVEL, 15 KENSINGTON ROAD, APT. 704, BRAMALEA, ONTARIO, CANADA L6T 3W2, CANADA.

Application No. 560/Cal/1988 filed July 6, 1988.

Convention date July 07, 1987, No. 541, 425 (CANADA).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A variable colour display device comprising :

a plurality of variable colour display areas arranged in a pattern, each said display area including a plurality of display light sources for emitting upon activation light signals of different colours and means for combining said light signals to obtain a composite light signal of a composite colour;

a variable colour background area substantially surrounding said display areas and including a plurality of background regions adjacent to said display areas, each said background region including a plurality of light sources for emitting upon activation light signals of different colours and means for combining said light signals to obtain a composite light signal of a composite colour;

a plurality of opaque walls for optically separating said background regions from adjacent display areas; and

means for selectively activating said display light sources, to illuminate certain of said display areas in a first colour, and said background light sources, to illuminate said background regions in a second colour different from said first colour.

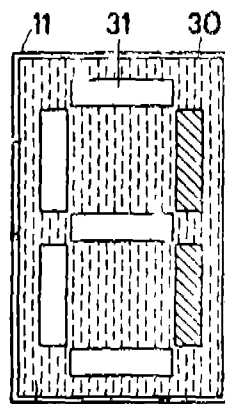


Fig. 1a

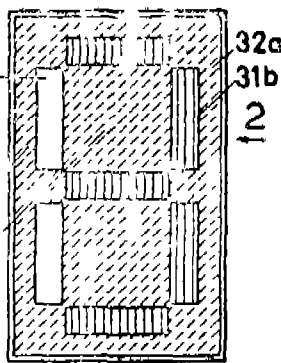
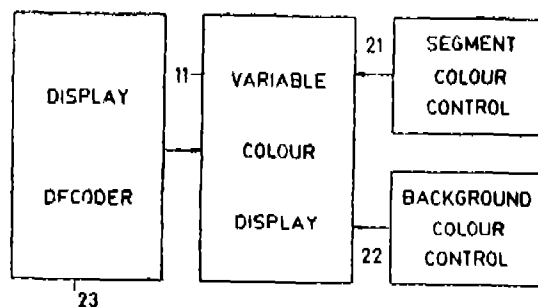


Fig. 1b

Fig. 3



(Compl. Specn. 21 pages.

Drgs. 2 sheets)

Cl. 26

169805

Int. Cl. A46b 9/04.

#### IMPROVED TOOTHBRUSH AND TONGUE SCRAPER ASSEMBLY.

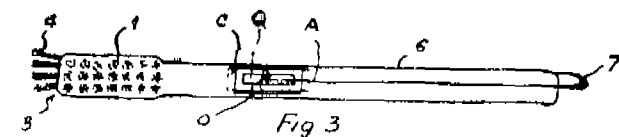
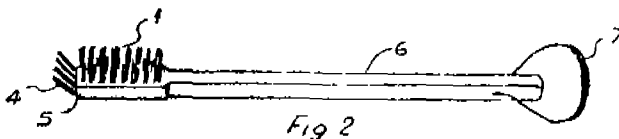
Applicant & Inventor : RAJEEV KUMAR SAHU, VILLAGE AND POST OFFICE : MONDA, BLOCK : BIBHUTIPUR, DIST : SAMASTIPUR, BIHAR, INDIA.

Application No. 799/Cal/1988 filed September 26, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

A toothbrush and tongue scraper assembly comprising bristles (1) provided on a flat surface (2) on the head portion (3) of the toothbrush and angular bristles (4) on the forehead (5) of the said head portion (3), a tongue scraper (7) provided on the handle portion (6) of the said toothbrush and is either fixed, conjugated or plugged to the said handle portion (6)



(Compl. Specn. 19 pages .

Drgs. 2 sheets)

(Prov. Specn. 7 pages.

Drgs. 1 sheet)

Cl. 206-E

169806

Int Cl: H03n 1/00.

#### ANALOG-DIGITAL HYBRID INTEGRATED CIRCUIT.

Applicant OKI ELECTRIC INDUSTRY CO. LTD., 7-12 TORANOMON 1-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : (1) HIROSHI HASHIMOTO, (2) OSAMU SHIRAISHI.

Application No. 299/Cal/1990 filed April 11, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

## 16 Claims

An analog-digital hybrid integrated circuit comprising :

an analog signal input terminal for receiving an analog signal;

a power source terminal for supplying a source voltage to said integrated circuit;

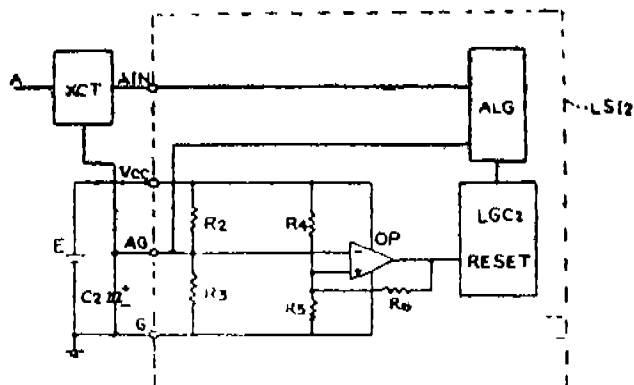
a power source ground terminal for providing a ground potential to said integrated circuit; an analog ground terminal connected to said power source terminal & said power source ground terminal by a voltage divider means so as to provide an intermediate potential between a power source potential on said power source terminal and said ground potential on said power source ground terminal;

an internal analog circuit connected to said analog signal input terminal and said analog ground terminal;

an internal logical circuit connected to said internal analog circuit;

a by-pass capacitor connected between said analog ground terminal and said power source terminal;

a level comparing means having a minus (—) terminal and a plus (+) terminal, said plus (+) terminal being connected to said analog ground terminal and said minus (—) terminal being adapted to receive a synthesized potential of voltage of said power source terminal divider by resistor means and a feedback potential from an output of said level comparing means via another resistor means, said level comparing means comparing said potential on said analog ground terminal with first and second threshold voltages, and delivering a high level voltage to said logical circuit so as to reset said logical circuit when said potential on said analog ground terminal is higher than said first threshold voltage while delivering a low level voltage to said logical circuit when said potential on said analog ground terminal is lower than said second threshold voltage.



(Compl. Specn. 10 pages.

Drgs. 2 sheets)

Cl. 32A1

169807

Int. Cl. C09b 37/00, 39/00, 41/00.

A PROCESS FOR THE PREPARATION OF WATER SOLUBLE MONOAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, F. R. GERMANY.

Inventors : (1) HARTMUT SPRINGER, (2) WALTER HELMLING, (3) LUDWIG SCHLAFFER, (4) WERNER HUBERT RUSS.

Application No. 464/Cal/1990 filed June 1, 1990.

Division out of No 115/Cal/88 Ante dated to February 10, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for the preparation of a water soluble monoazo compound which corresponds to the formula (1) of the accompanying drawings in which :

D is a naphthyl radical which is substituted by 1, 2 or 3 sulfo groups or by one group of the formula  $Y-SO_2$  where Y has the belowmentioned meaning, or by one such  $Y-SO_2$  group and 1 or 2 sulfo groups, or is a radical of the formula (2a) or (2b) in which

M and Y have the belowmentioned meanings,

m represents the number zero or 1,

R<sup>1</sup> denotes a hydrogen atom, an alkyl group having 1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon atoms or a carboxyl group, and

R<sup>2</sup> denotes a hydrogen atom, an alkyl group having 1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon atoms, a sulfo group, a carboxy group, an aryl radical which may be substituted, a hydroxy group, a nitro group or a halogen atom;

n represents the number zero or 1;

R is either a hydrogen atom or an optionally substituted alkyl group having 1 to 4 carbon atoms, and

R\* is either a hydrogen atom or an optionally substituted alkyl group having 1 to 4 carbon atoms,

where R and R\* may have meanings which are identical to one another or different from one another;

X is a fluorine atom or a chlorine atom;

B is a group of the formula (3a) or (3b) in which

R<sup>3</sup> is a hydrogen atom, an optionally substituted alkyl group having 1 to 4 carbon atoms, or an optionally substituted aryl radical,

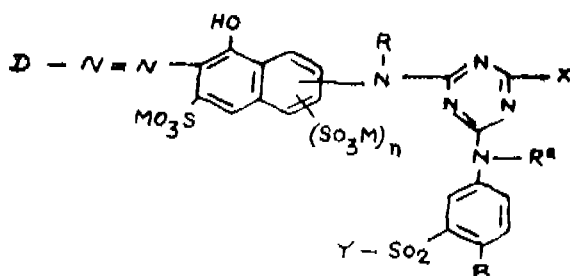
R<sup>4</sup> is a hydrogen atom, an optionally substituted alkyl group having 1 to 8 carbon atoms, a cycloalkyl group having 5 to 8 carbon atoms and optionally having 1 to 3 methyl groups and/or one amino group, alkanoylamino group having 2 to 5 carbon atoms or benzoylamino group as substituents, or R<sup>4</sup> is the phenyl radical which may be substituted by 1, 2 or 3 substituents from the series comprising sulfo, carboxy, halogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, nitro, a group of the formula  $-SO_2-Y'$  (in which Y' has one of the below-mentioned meanings for Y or is a B-hydroxyethyl group), alkylamino containing an alkyl radical having 1 to 4 carbon atoms, dialkylamino containing alkyl radicals each having 1 to 4 carbon atoms, alkanoylamino having 2 to 5 carbon atoms,

and benzoylamino, or is a naphthyl radical which may be substituted by 1, 2 or 3 sulfo groups and/or group of the formula—SO<sub>2</sub>—Y' (where Y' has the abovementioned meanings), and has one of the meanings mentioned for R<sup>4</sup>, R<sup>5</sup> being identical to R<sup>4</sup> or different from R<sup>4</sup>, or

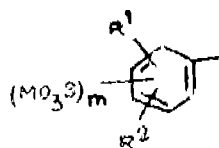
R<sup>4</sup> and R<sup>5</sup>, together with the nitrogen atom and one, two or three alkylene radicals having 1 to 5 carbon atoms and, if appropriate, one or two further heteroatom, form a 5- to 8-membered heterocyclic radical;

Y is a β-thiosulfatoethyl, β-phosphatoethyl, β-chloroethyl, vinyl or β-sulfatoethyl group, where the Y's may have meanings which are identical to one another or different from one another;

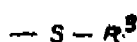
M is a hydrogen atom or an alkali metal or the equivalent of an alkaline-earth metal which comprises coupling a monohalotriazinyl-aminonaphtholsulfonic acid compound of the formula (8) in which B, M, n, R, R\*, X and Y have the above mentioned meanings with a diazonium compound of an aromatic amine of the formula (9) in which D has one of the abovementioned meanings, in an aqueous- or anionic or aqueous medium in the slightly acid to very slightly alkaline pH-region at a temperature between zero and 50°C.



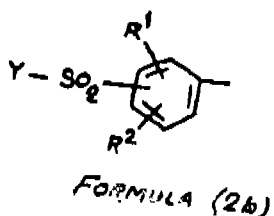
Formula (1)



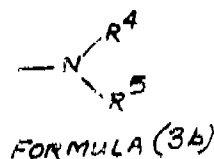
Formula (2a)



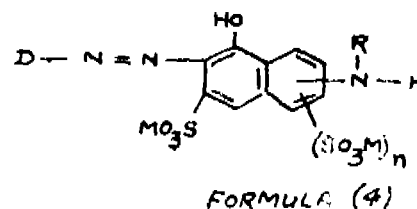
Formula (3a)



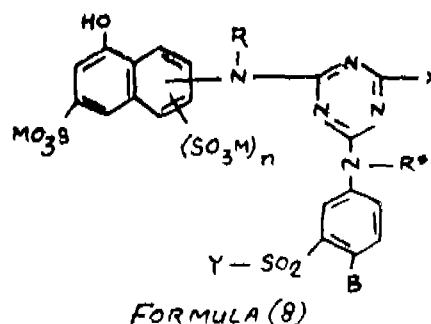
Formula (2b)



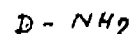
Formula (3b)



Formula (4)



Formula (8)



Formula (9)

Compl. Specn. 48 pages.

Drgs. 3 sheets.

Cl. 133A.

169808

Int. Cl.: H02p 5/00.

A SYSTEM USEFUL FOR CONTROLLING THE PROPELLING OF LINEAR SYNCHRONOUS MOTOR SECONDARIES ALONG AN ELONGATED PRIMARY OF A LINEAR SYNCHRONOUS MOTOR.

Applicant: E.I. DU PONE DE NEMOURS AND COMPANY, MANUFACTURERS OF WILMINGTON, DELAWARE, U.S.A.

Inventors: (1) WILLIAM JOHN HOMMES, (2) JOHN JOSEPH KEEGAN, JR.

Application No. 503/Cal/1990 filed June 15, 1990.

Divisional No. 472/Cal/87 Ante dated to June 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 15 Claims

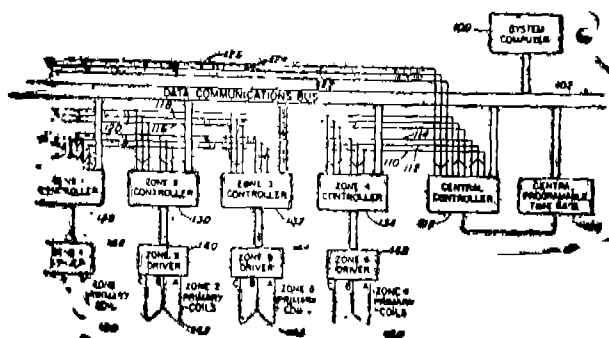
A system useful for controlling the propelling of linear synchronous motor secondaries along an elongated primary of a linear synchronous motor disposed along at least a portion of an elongated path with at least one secondary having disposed thereon means for attachment to a body or bodies which can be moved with the secondary, comprising:

a plurality of linear synchronous motor drivers, with each independently providing inputs indicative of a wave form having specific predetermined frequency and phase characteristics to designated coil windings of the primary for developing a traveling electromagnetic wave;

a plurality of driver controller means, one connected to each motor driver, said driver controller means having a plurality of memory sections with each memory section containing instructions defining characteristics of wave form, and said driver controller means providing said instructions from one of the plurality of memory sections to the motor drive connected thereto at any instant of time;

a central controller means connected to all of the driver controller means, the central controller means having a timing means and means to select a memory in each of the driver controller means to control the providing of instructions from each of said driver controller means to the motor driver connected thereto; and

a computer for providing overall system control, and for providing the plurality of driver controller means with instructions for the specific characteristics of the wave-forms for storage in the plurality of memory sections contained therein, and for providing control information to the central controller.



(Compl. Specn. 53 pages.

Drgs. 12 sheets)

Cl. 65-B-2

169809

Int. Cl. H01f 3/00.

#### IMPROVEMENT IN OR RELATING TO PREPARATION OF AMORPHOUS METAL CORE FOR USE IN TRANSFORMER

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors :

- (1) TERRENCE EARL CHENOWETH.
- (2) FUGENIUS SHEP HAMMACK.
- (3) WALLACE LEWIS McDONALD.

Application No. 653/Cal/1990 filed August 1, 1990.

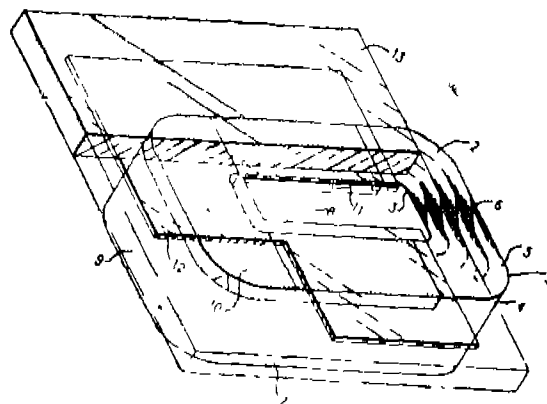
Division Out of No. 618/Cal/88 Ante dated to July 26, 1988

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

4 Claims

An amorphous metal core having an adhesive impregnated substrate bonded to at least a portion of each edge, where

said substrate extends beyond said edge, is bent over said edge, and is bonded to said core.



Compl. Specn. 10 pages.

Drgs. 1 sheet

Cl. 86B

169810

Int. Cl. A47c 13/00.

#### PORTABLE RISER SECTION FOR CHORAL GROUPS.

Applicant. SICO INCORPORATED, 7525 CAHILL ROAD MINNEAPOLIS, MINNESOTA 55440, U.S.A.

Inventors :

- (1) KERMITHOUCHINS WILSON.
- (2) ROLLIN DALE BOTTS.

Application No. 643/Cal/88 filed August 1, 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A portable riser section for choral groups for use with a plurality of other riser sections to make a riser above a floor for supporting a load during stage performances by singing groups and the like, characterised in that it comprises :

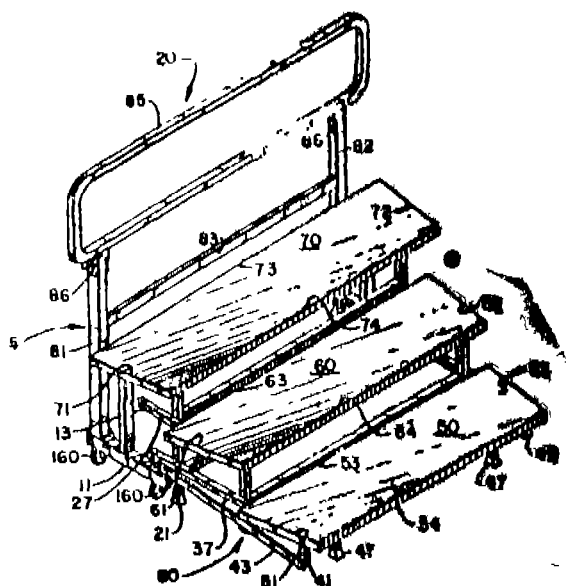
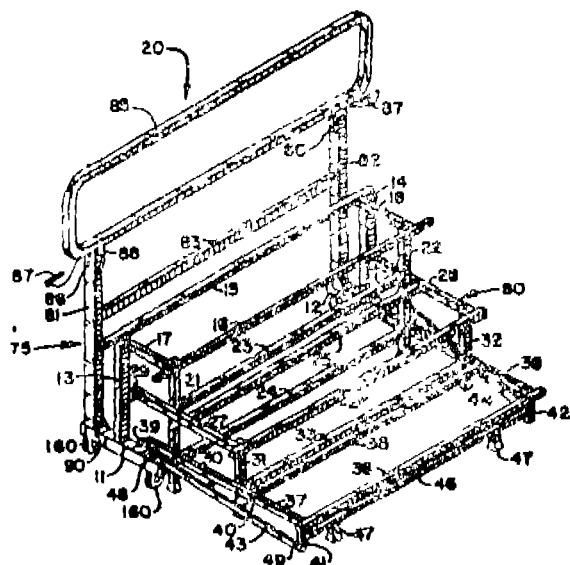
a plurality of riser steps;

a first support frame having a plurality of front and back wheels;

a second support frame having means for receiving said plurality of steps at progressively increasing heights above the floor from front to back, said second support frame having a front leg and a back leg, said front leg being in front of said front wheels and said back leg being in back of said front wheels, said second support frame being foldable with respect to said first support frame such that in a transport configuration said first support frame supports said second support frame and in an operational configuration said front and back legs of said second support frame and said wheels of said first support frame share support of said load with respect to the floor; and

means for pivotally attaching said second support frame to said first support frame such that said second support frame

can be moved with respect to said first support frame between the operational and transport configurations.



Compl. Specn. 37 pages.

Drgs. 11 sheets

Ind. Cl. : 55E<sub>2</sub>.

1669811

Int. Cl.<sup>4</sup> : A16K 9/06.

Title: A PROCESS FOR PREPARING AN OPHTHALMOLOGICAL COMPOSITION.

Applicant: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.), a French company, of 51/53, rue du Docteur Blanche, 75016 Paris, France.

Inventor: PIERRE BRAQUET.

Application for Patent No. 373 DEL 88 filed on 28 Apr 1988.

Convention date 07 May 1987/8710780/G.B.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for preparing an ophthalmological composition, said process comprises mixing an eicosapentaenoic acid with an alkyl cellulose and/or hydroxyalkyl aqueous cellulose solution said eicosapentaenoic acid is being presented in an amount of from 0.5 to 3% by weight of the composition.

(Compl. Specn 11 pages

Drg. Sheet 1

Ind. Cl. : 39L.

169812

Int. Cl.<sup>4</sup> :: C01G 25/02.

Title: A PROCESS FOR THE REFINING OF A ZIRCONIUM-CONTAINING MATERIAL TO PRODUCE A PURE ZIRCONIA.

Applicant: ICI AUSTRALIA LIMITED, a company incorporated under the laws of the State of Victoria, Manufacturers and Merchants, of 1 Nicholson Street, Melbourne, Victoria 3000, Australia, and COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, a body corporate established under Science and Industry Research Act 1949, of Timestone Avenue, Campbell, Australia.

Inventors: KIAN FAH NGIAN, ANGUS JOHN HARTSHORN & DAVID HUGHES JENKINS.

Application for the Patent No 1148/DEL/88 filed on 23rd December 1988

Convention date 2nd March 1985/PH.0405/Australia.

Divisional to Application No 350/DEL/86 filed on 18th April 1986.

Ante dated to 18th April 1986.

Appropriate office for the opposition proceedings (Rule 4, Patent Rule 1972), Patent office Branch, New Delhi-5.

6 Claims

A process for the refining of a zirconium-containing material such as herein described to produce a pure zirconia, which process comprise leaching the zirconium-containing material with concentrated sulphuric acid at a temperature in the range of from 200 to 400°C and collecting the insoluble product formed on cooling leaching the insoluble product with water to yield an aqueous solution of zirconium sulphate; adding an ammonia source such as herein described to said aqueous solution of zirconium sulphate until the pH of said solution is in the range of from 0.1 to 2.5 and thereby precipitate an ammonium zirconium sulphate; collecting in a manner known per se the precipitated ammonium zirconium sulphate and calcining the ammonium zirconium sulphate at a temperature of about 1000°C to produce the required zirconia.

(Compl. Specn. 26 pages

Drgs. Nil

Ind. Cl. : 40 B.

169813

Int. Cl.<sup>4</sup> : B01J 21/04.

Title: APPARATUS FOR PRODUCING A SECONDARY REFORMED HYDROCARBON GAS STREAM.

Applicant: IMPERIAL CHEMICAL INDUSTRIES PLC, a British company, of Imperial Chemical House, Millbank, London SW1P 3JF England.

Inventors: PETER JOHN DAVIDSON & MARTIN FOWLES.

Application for Patent No 016 DEL 89 filed on 09 Jan 1989.

Divisional to Appln. No. 491 DEL 86 filed on 03 Jun 1986.

Ante-dated to 03 Jun 1986.

Convention date 06 Jun 1985/8514344/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 7 Claims

Apparatus for producing a secondary reformed hydrocarbon gas stream which comprises, in combination,

- (a) a vessel having provided therein a plurality of tubes (3) containing a primary steam reforming catalyst;
- (b) inlet means (9) connected to said vessel for feeding a hydrocarbon feedstock and steam to said tubes (3);
- (c) means (11) provided in said vessel for the exit of gas from the outlet (10) of said tubes (3);
- (d) a burner (12) located within said vessel or within a separate vessel (13) connected to said exit means (11) whereby gas from the outlet (10) of said tubes (3) is led to said burner (12);
- (e) means (14) connected to said burner (12) for feeding an oxygen-containing gas thereto;
- (f) means (1a-1e) for supporting a metallic secondary reforming catalyst provided within the vessel (13) containing said burner (12) downstream of said burner (12), said support means (1a-1e) comprising a single unit (2) or an assembly (2, 2, 2) each unit (2) having (i) a plurality of passages extending therethrough in the direction of flow of the gas from said burner (12), each said unit (2) having 15 to 40 passages per cm<sup>2</sup> of unit cross-sectional area in the direction of flow of the gas from said burner (12) and (ii) an open area of 40% to 85%, said unit (2) or assembly (2, 2, 2) of units—having a geometric surface area per volume occupied thereby of 10 to 30 cm<sup>2</sup> the volume occupied by said unit (2) or units (2, 2, 2) comprising from 3% to 40% of the volume occupied by said primary steam reforming catalyst in said tubes (3), the unit (2) or units (2, 2, 2) constituting said support means (1a-1e) having a composition of at least 95% by weight of alpha-alumina, less than 0.2% by weight of silica, less than 0.5% by weight of alkali and up to 5% by weight of at least one oxide selected from titania, zirconia, and rare earths; and
- (g) means (15) for feeding secondary reformed gas after passage through said catalyst support means (1a-1e) past said tubes (3) containing said primary steam reforming catalyst for heating said tubes (3).

Compl. Specn. 18 pages

Drg. Sheet 1

Ind. Cl.: 27 E.

169814

Int. Cl.<sup>4</sup>: E04C 3/00.

#### A FIBRE REINFORCED CONCRETE JACKET.

Applicant: NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIAL, M-10 South Extension-II, Ring Road, New Delhi-110 049, (A Society registered under the Societies Registration Act, 1860).

Inventors: RATTAN LAL & NARASIMHAMURTHY RAGHAVENDRA.

Application for Patent No. 499 DEL 89 filed on 07 Jun 1989.

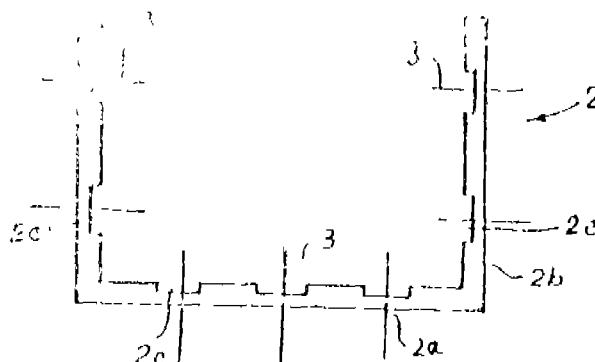
Divisional to Application No. 150 DEL 86 filed on 24 Feb 1986.

Ante-dated to 24 Feb 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 7 Claims

A fibre reinforced concrete jacket for use with a concrete structural beam comprising a base (2a) with side walls (2b) on either sides, recesses (2c) being provided in the inner surface of said jacket and the anchoring means extending inwardly from said inner surfaces of the side walls.



Compl. Specn. 8 pages

Drwg Sheet 1

Ind. Cl.: 40 B.

169815

Int. Cl.<sup>4</sup>: B01J 21/04.

#### A PROCESS FOR THE PRODUCTION OF A SECONDARY REFORMED HYDROCARBON GAS STREAM CONTAINING HYDROGEN, STEAM.

Applicant: IMPERIAL CHEMICAL INDUSTRIES PLC., a British company, of Imperial Chemical House, Millbank, London SW1P 3JF, England.

Inventors: PETER JOHN DAVIDSON & MARTIN FOWLES.

Application for Patent No. 017 DEL 89 filed on 09 Jan 1989.

Divisional to Appln. No. 491 DEL 86 filed on 03 Jun 1986.

Ante-dated to 03 Jun 1986.

Convention date 06 Jun 1985/8514344/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 7 Claims

A hydrocarbon secondary steam reforming process comprising:

- (a) contacting a mixture of a hydrocarbon feedstock and steam with a primary reforming catalyst disposed in heater tubes to form a primary reformed hydrocarbon gas stream;
- (b) partially combusting said primary reformed hydrocarbon gas stream, containing steam, carbon oxides, hydrogen and methane, with an oxygen-containing gas of the type described, and
- (c) contacting the combustion products with a metallic catalyst on a support, so as to produce a secondary

reformed hydrocarbon gas stream containing hydrogen, steam, carbon oxides, and a decreased quantity of methane,

wherein the support for the catalyst comprises a single unit, or an assembly of units, each unit comprising at least 95% by weight of alpha-alumina, less than 0.2% by weight of silica, less than 0.5% by weight of alkali, and 0 to 5% by weight of at least one oxide selected from titania, zirconia, and rare earths, and having

(i) a plurality of passages extending through the unit in the direction of the flow of said combustion products, there being, per cm<sup>2</sup> of unit cross sectional area in the direction perpendicular to the flow of said combustion products, 15 to 40 passages, and

(ii) an open area of 40 to 85%, said unit, or assembly of units, having a geometric surface area per volume occupied by said unit, or assembly of units, of 10 to 30 cm<sup>-1</sup>, and the volume occupied by said unit, or assembly of units, being 0.05 to 0.4 m<sup>3</sup> per te. mol/hr of gas leaving the unit, or assembly of units; and

(d) heating the tubes containing the primary reforming catalyst with said secondary reformed hydrocarbon gas stream leaving said secondary reforming catalyst.

Complete Specification 17 pages

Drawing Sheet 1

Ind. Cl.: 32 F<sub>1</sub>

169816

Int. Cl.<sup>4</sup>: C07C 113/04.

#### AN IMPROVED PROCESS FOR THE PREPARATION OF 1, 1, 1-TRICHLORO-4-METHYL-PENT-3-ENE-2-YL DIAZOACETATE.

**Applicant:** COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

**Inventors:** RAJAT BARAN MITRA, GURUNATH HANMANTRAO KULKARNI, PRALHAD NARAIN KHANNA, BABURAO MANIKRAO BHAWAL AND ABDUL RAKEEB ABDUL SUBHAN DESHMUKH.

**Application for Patent No. 261 DEL 88 filed on 30 Mar 1988.**

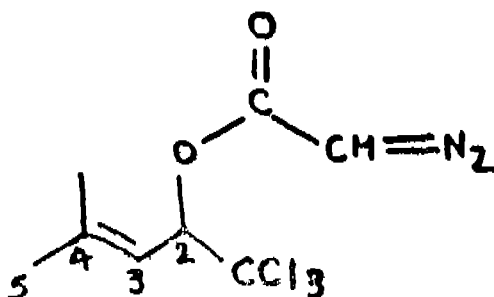
**Divisional to Application No. 196 DEL 86 filed on 05 Mar 1986.**

**Ante-dated to 05 Mar 1986.**

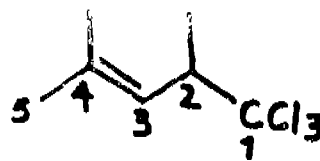
**Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.**

7 Claims

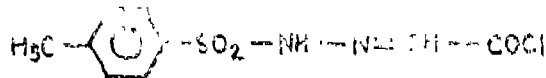
An improved process for the preparation of 1, 1, 1-trichloro-4-methyl-pent-3-ene-2-yl diazoacetate of the formula I.



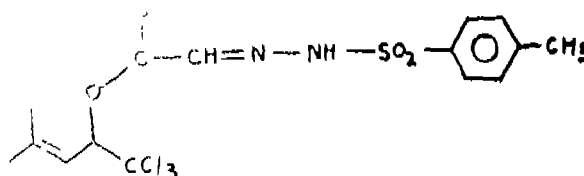
which comprises heating under reflux 1, 1, 1, trichloro-4-methyl pent-3-ene-2-yl of formula II.



with tosyl hydrazone of glyoxalic acid chloride of formula III.



in the presence of an inorganic base such as herein described in an organic solvent such as herein described treating the organic layer containing the tosyl hydrazone ester of formula IV



with an aqueous solution water soluble metal carbonate in the presence of a phase transfer catalyst such as herein described.

Complete Specification 6 pages

Drawing sheet 1

Ind. Cl.: 32F2b & 55D2.

169817

Int. Cl.<sup>4</sup>: A01N 43/00, 43/48 & C07D 237/00, 237/04 & 237/14.

#### A METHOD OF PREPARING A NOVEL 3(2H)-PYRIDAZINONE DERIVATIVE.

**Applicant:** NISSAN CHEMICAL INDUSTRIES, LTD., a corporation duly organised and existing under the laws of Japan, of 3-7-1, Kanda Nishiki-cho, Chiyodaku, Tokyo, Japan.

**Inventors:** TAKAHIRO MAKABE, TOMOYUKI OGURA, YASUO KAWAMURA, TATSUO NUMATO, KIMINORI HIRATA, MASAKI KUDO, TOSHIRO MIYAKE AND HIROSHI HARUYAMA.

**Application for Patent No. 639 DEL 88 filed on 27 Jul 1988.**

**Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.**

2 Claims

A method of preparing a novel 3(2H)-pyridazinone derivative of the formula I of the drawings wherein,

R represents an alkenyl group having 2 to 16 carbon atoms, an allenyl group having 2 to 16 carbon atoms, an alkyl group having 3 to 8 carbon atoms substituted by an alkony group having 1 to 6 carbon atoms or G-Ra-in which G represents hydrogen.

atom, RbO—, RbS—, RbSO<sub>2</sub>— RbC—,

RbOC—, RbCO<sub>2</sub>—, RbOCNH—,

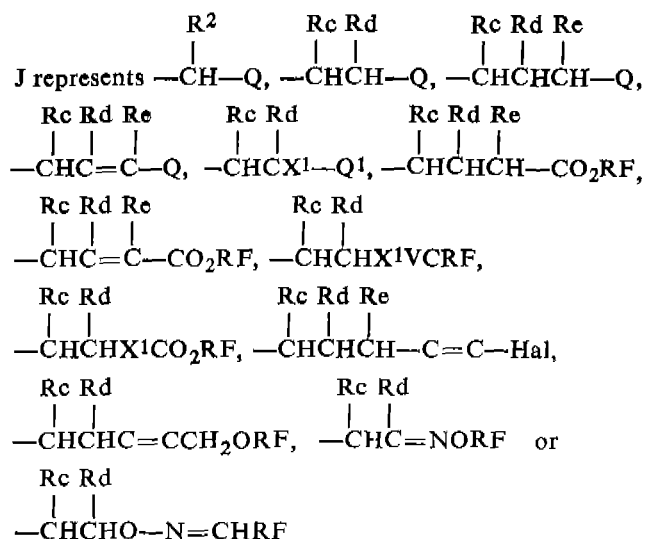
RbNHCO<sub>2</sub>—, RbNH—, (Rb)<sub>2</sub>N— or a cyano group in which Rb represents

an alkyl group having 1 to 4 carbon atoms, and Ra represents a halogenated alkylene group having 3 to 16 carbon atoms, a halogenated alkenylene group having 2 to 16 carbon atoms, a halogenated alkynylene group having 2 to 16 carbon atoms, a halogenated cycloalkylene group having 3 to 8 carbon atoms, a halogenated cycloalkenylene having 5 to 8 carbon atoms, a halogenated cuarylloalkylene group having 5 to 8 carbon atoms, a halogenated thiacycloalkylene group having 5 to 8 carbon atoms, an alkylene group having 1 to 4 carbon atoms substituted by a cycloalkyl group having 3 to 8 carbon atoms and halogen atom, an alkylene group having 1 to 4 carbon atoms substituted by an omirane group and halogen atom, an alkylene group having 1 to 4 carbon atoms substituted by a phenyl group which may be substituted and halogen atom or an alkylene group having 1 to 4 carbon atoms substituted by heterocyclic group which may be substituted and halogen atom;

A represents hydrogen atom, halogen atom, an alkyl group having 1 to 4 carbon atoms, an alkeny group having 1 to 4 carbon atoms, an alkylthio group having 1 to 4 carbon atoms, an alkylsulfinyl group having 1 to 4 carbon atoms or an alkylsulfonyl group having 1 to 4 carbon atoms;

R represents hydrogen atom, halogen atom, an alkoxy group having 1 to 4 carbon atoms or hydronxyl group.

X represents oxygen or sulfur atom;



in which R<sup>2</sup>, Rc, Rd, Re and RF idenpendently represent hydrogen atom or an alkyl group having 1 to 4 carbon atoms, X<sup>1</sup> represents —O—, —S—, —NH—

or —N— ORg represents an alkyl group having 1 to 4 carbon atoms) and Hal represents halogen atom, Q represents a substituted phenyl group, a naphthyl group which may be substituted or a heterocyclic group which may be substituted, and Q<sup>1</sup> represents a phenyl group which may be substituted, a naphthyl group which may be substituted said method comprises rioting a compound of the formula I of the drawings with a compound of the formula X<sup>3</sup>—J, wherein R, A— and R<sup>1</sup> have the same meanings defined above and X<sup>2</sup> and X<sup>3</sup> independently represent halogen atom, OM or SM in which M represents hydrogen atom or an alkali metal, with proviso that X<sup>2</sup> represents halogen atom, X<sup>3</sup> represents OM of SM, and when X<sup>2</sup> represents OM or SM, X<sup>3</sup> represents halogen atom.

Complete Specification 155 pages

Drawing Sheet 13

Ind. Cl. 32F4.

169818

Int. Cl<sup>1</sup>: C07C 172/00.

A PROCESS FOR PREPARING VITAMIN D COM-  
POUNDS.

Applicant: WISCONSIN ALUMNI RESEARCH FOUNDATION, a Corporation organised and existing under the laws of the State of Wisconsin, U.S.A. of 614, North Walnut Street, Madison, Wisconsin, 53705, United States of America.

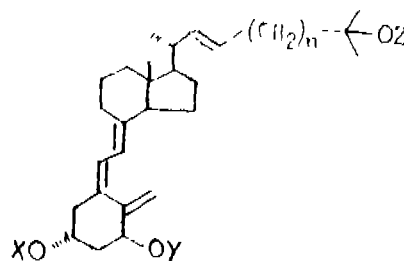
Inventors: HECTOR F. DeLUCA, HEINRICH K. SCHNOES and KATO L. PERLMAN.

Application for Patent No. 384 DEL 89 filed on 01 May 1989.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

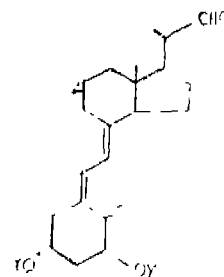
### 5 Claims

A process for preparing a 24-homologated vitamin D<sub>2</sub> derivative having the structure as shown in formula I of the drawings



wherein each of X, Y and Z, which may be the same or different, is hydrogen or a hydroxy-protecting group, and n is 3 or 4 which comprises coupling in a manner known per se a derivative of the formula II of the drawings

where X and Y are hydroxy-protecting groups with a phenyl sulphone having the formula



and reductively desulfonating the resulting side chain in a manner known per se.

(Complete Specification 30 pages

Drawing sheets 3)

Ind. Cl.: 206E

169819

Int. Cl<sup>1</sup>: G06F 1/00.

COMPUTER SYSTEM.

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors: RICHARD WILLIAM SHAW, VICTOR VASYL ZADREJ SAMUEL THOMAS DUSI, GERMAN ESCOBAR, CHESTER ASBURY HEATH, RICHARD DANA KIRK, BILLY WILLIAMS MOORE, JAY HENRY NEER, KENNETH LYNN MANNS.

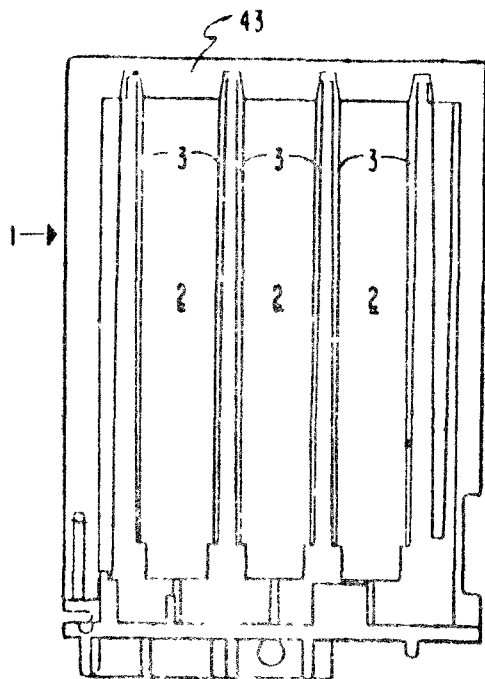
Application for patent No. 53 DEL 88 filed on 20 Jan 1988.

Convention date 27 Oct 1987/8725115/U.K.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 9 Claims

A computer system comprising a printed circuit board (39) carrying, and interconnected with, a plurality of sockets (37) for accepting and connecting features cards (27), each socket having first and second rows of contacts (61, 62) aligned opposite one another in pairs for connecting with corresponding pins on opposite surfaces of an edge connector (36) on a feature card characterised in that selected contacts in each row are ground contacts and a larger number than said selected contacts are signal carrying contacts (Figure 5) and the ground and signal carrying contacts are positioned such that each signal carrying contact is situated not more than one contact position away from a ground contact in either one of the rows.



(Complete Specification 22 pages)

Drawings sheets 4)

Application for Patent No. 502 DEL 88 filed on 07 Jun 1988.

Divisional to Application No. 958 DEL 85 filed on 15 Nov 1985.

Ante-dated to 15 Nov 1985.

Convention date 16 Nov 1984/PG8157/AU.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 9 Claims

A process for preparing a powdered insecticidal composition comprising the steps of:

forming a silicic acid mix by passing a solution of an alkali metal silicate, as herein described an alkaline earth metal silicate as herein described or an ammonium silicate or any combination of two or more thereof through an ion exchange resin to produce silicic acid and mixing said silicic acid with ammonium fluosilicate.

spraying said mix onto carrier particles as herein described of size range 100 to 500 Tyler mesh.

thereby producing damp sorptive particles coated with said mix in a gel form,

stabilising said damp sorptive particles with ammonia gas and drying in any known manner the stabilised particles.

(Complete Specification 12 pages)

Ind. Cl. 132 B2+170D

169821

Int. Cl. B 01 f—7/26, 9/18

C 11 d—13/10.

NOVEL DEVICE FOR USE IN MODIFYING THE PHASE CHARACTERISTICS OF SOAP FEED STOCK.

Applicants: HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors:

- (1) TERENCE ALLAN CLARKE.
- (2) RICHARD BARRIE EDWARDS AND
- (3) GRAEMF NEIL IRVING.

Application No. 245/Bom/85 filed Sep 10, 1985.

Divisional to Application No. 103/Bom/83 Ante dated to 25-3-1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

#### 4 Claims

A device for processing soap feed stock by generating a shear layer in material passing through the device, comprising two closely spaced mutually displaceable surfaces provided within a housing and each having a pattern of cavities which overlap each other during movement of the surfaces, so that material moved between the surfaces traces a path through cavities alternately in each surface whereby the bulk of the material passes through the shear zone generated by displacement of the surfaces, characterised in that the said cavities are formed as elongate cavities in one or both said surfaces with the long axes of the elongate cavities disposed perpendicular to the direction of flow of material, the said housing having a material feeding and a material discharging means.

Complete specification—16 pages.

Drawings—2 sheets

Ind. Cl.: 55 D2.

169820

Int. Cl.: A01N 25/04.

A PROCESS FOR PREPARING A POWDERED INSECTICIDAL COMPOSITION.

Applicant: DRYACIDE PTY. LTD., a company incorporated under the laws of the State of Western Australia of Level 14, 447 Collins Street, Melbourne 3000 Victoria, Australia and AGNEW CLOUGH LIMITED, a company incorporated under the laws of the State of Western Australia, of 22 Mount Street, Perth. 6000 Western Australia.

Inventors: KENNETH BLAKE HEDGES & WILLIAM RICHARD BELFORD.

Ind. Cl.: 87 I [XLII (4)]

169822

Int. Cl.: A 63 H—33/08.

## A TOY.

Applicants and Inventors: VANESH GOKAAL AND HEMRAJ GOKAL both South African nationals of Indian Origin of Ramaden Road, Reservoir Hills, Durban 4091, Natal Province Republic of South Africa.

Application No. 91/Bom/1989 filed on 10-4-1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

## Claims 16

A toy which includes a plurality of elements defining bodies, at least some of the surfaces of which are provided with fastening formations in the form of a multiplicity of flexible protrusions in the form of hook formations or loop formations that may engage each other to releasably fasten one element to another

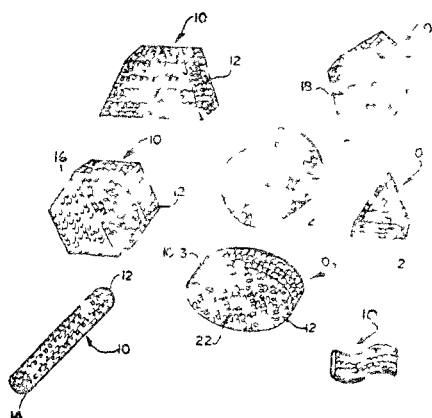


FIGURE-1

(Complete specification—9 pages

Drawings 2 sheets)

Ind. Cl.: 126 A &amp; 126 C LVIII (6).

169823

Int Cl.: G 01 R-11/48, H 01 F-40/14.

## A MOULDED PILFERPROOF CURRENT TRANSFORMER BLOCK FOR ENERGYSMETER AT CONSUMER'S PREMISES.

Applicants and Inventors: Vidula Maheshbhai Trivedi and Parimal Maheshbhai Trivedi, (Indian Nationals) 84, Gandhinagar Society, Karelbaug Vadodara-390 018.

Application No. 107/Bom/1989 filed on 24-4-1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

## Claims 2

A PILFERPROOF CURRENT TRANSFORMER block, to be installed at consumer's premises for preventing change of terminals of energysmeter from the mains side at consumer's premises comprising a block of current transformer manufactured by Process of Moulding with projecting primary bars for holding supply cable lugs secondary ends in the form of pins for sliding terminals of energysmeter and

M.S. threaded inserts suitably positioned for mounting it on the wall and to fix meterbox on it.

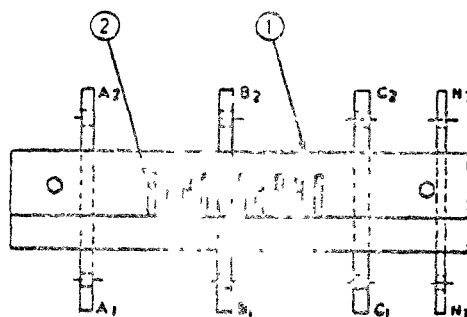


FIGURE - 1

(Complete specification—5 pages

Drawings 2 sheets)

Ind. Cl.: 170B [XLIII(4)]

169824

Int. Cl.: C11D 1/02, 3/06, 10/04

## DETERGENT COMPOSITIONS AND PROCESS FOR PREPARING THEM.

Applicants: HINDUSTAN LEVER LTD., 165/166, Backbay Reclamation, Bombay-400 020, Maharashtra, India.

Inventors: (1) MICHAEL WILLIAM HOLLINGSWORTH, (2) DONALD PETER, (3) TIMOTHY JOHN PRICE & (4) PETER JOHNSON

Application No. 114/Bom/89 filed April 28, 1989.

U.K. Convention date July 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 26 Claims

A process for the preparation of a granular detergent composition having a bulk density of at least 650 g/litre, which comprises the step of treating a particulate starting material comprising:

(a) from 12 to 70 wt% of non-soap detergent active material such as herein described and

(b) at least 15 wt% of water-soluble crystalline inorganic salts such as herein described, including sodium tripolyphosphate and/or sodium carbonate, the weight ratio of (b) to (a) being at least 0.4:1, and other ingredients such as herein described to 10 wt%,

in a high-speed mixer/granulator having both a stirring action and a cutting action in the absence of a finely divided particulate agent for improving surface properties, whereby granulation and densification to a bulk density of at least 650 g/litre are effected

(Comp specn 37 pages

Drg. Nil.)

Ind. Cl.: 40B II(1)+2 F2 C IX (1)

169825

Int Cl.: C07C 87 00, 87/07

## A PROCESS FOR THE HYDROGENATION OF HIGHER NITRILES TO AMINES

Applicants: Hindustan Lever Limited, Hindustan Lever House 165/166, Backbay Reclamation, Bombay-400 020, Maharashtra, India

Inventors: JOHANNES CORNELIS OUDEJANS.

Application No. 131/Bom/1989 filed on 16-5-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

#### 10 Claims

A process for the catalytic hydrogenation of nitrile to amine employing a nickel catalyst upon a carrier containing magnesium oxide and silica characterized in that a nitrile containing 12 to 22 carbon atoms is hydrogenated with a catalyst that contains from 60 to 90% (w.w.) of nickel calculated on the catalyst composition.

(Comp. Specn. 9 pages.

Drg. Nil.)

Ind. Cl.: 170B [Gr. XLIII(4)]

169826

Int. Cl.: C11D 3/37.

#### METHOD OF MAKING A LIQUID DETERGENT COMPOSITION.

Applicants: Hindustan Lever Limited, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-400 020, Maharashtra, Bombay a company incorporated, under the Indian Companies Act, 1913.

Inventors: 1. Peter Graham Montague, 2. Johannes Cornelis Van de Pas.

Application No. 156/Bom/1989, filed on 12-6-1989, U.K. 13-6-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 15 Claims

Method of making a liquid detergent composition comprising the mixing of from 2-60% by weight of detergent active materials and from 1-60% by weight of a salting out electrolyte to form a dispersion of lamellar droplets in an aqueous continuous phase, the composition having a pH less than 12.5 and yielding no more than 2% by volume phase separation when stored at 25°C for 21 days from the time of preparation, by incorporating therein a deflocculating polymer having a hydrophillic backbone and at least one hydrophobic side-chain.

(Comp. Spen. 90 pages.

Drgs. 4 sheets)

Ind. Cl.: 66D9 [LXIII(1)]

169827

Int. Cl.: H01KK 1/00, 1/62.

#### AN IMPROVED MULTIFILAMENT LAMP.

Applicants: VIPIN CHAMPSEY SHAH, 1552, Napier Town, Jabalpur, M.P., India.

Application No. 181/Bom/1989 filed Jul 4, 1989.

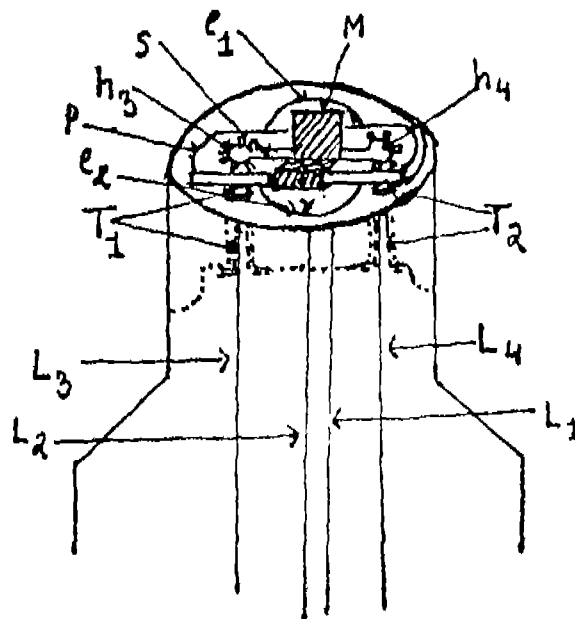
[Patent of addition to Patent No. 159394 dated 12-3-1985]

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 2 Claims

An improved multifilament lamp in which change-over to stand-by filaments is made more certain and more convenient than it is in the multifilament lamp claimed in the Indian Patent No. 159394 by provision of a fibre-glass or plastic button on the top of the cap of the lamp with the button consisting of (a) two metal tubes which would fix into two extra holes given in the top of the cap for the purpose and to which lead-in-wires  $L_3$  and  $L_4$  would be attached and which would help fix a fibre-glass or plastic plate to the top of the cap (b) a fibre-glass or plastic plate fixed to the

top of the cap with two interconnected holes, (c) a metal strip that would form a sliding band around one of the sides of the fibre-glass or plastic plate.



FIGURE—7

(Complete Specification 4 pages.

Drawing 1 sheet)

Ind. Cl.: 66D9 [LXIII(1)]

169828

Int. Cl.: H01K 1/00, 1/62.

#### AN IMPROVED MULTIFILAMENT LAMP WITH A PLASTIC BUTTON ON THE SIDE OF THE CAP.

Applicant & Inventor: VIPIN CHAMPSEY SHAH, Professor of English, 1552, Napier Town, Jabalpur, M.P., India

Application No. 172/Bom/1989 filed on 23-6-1989.

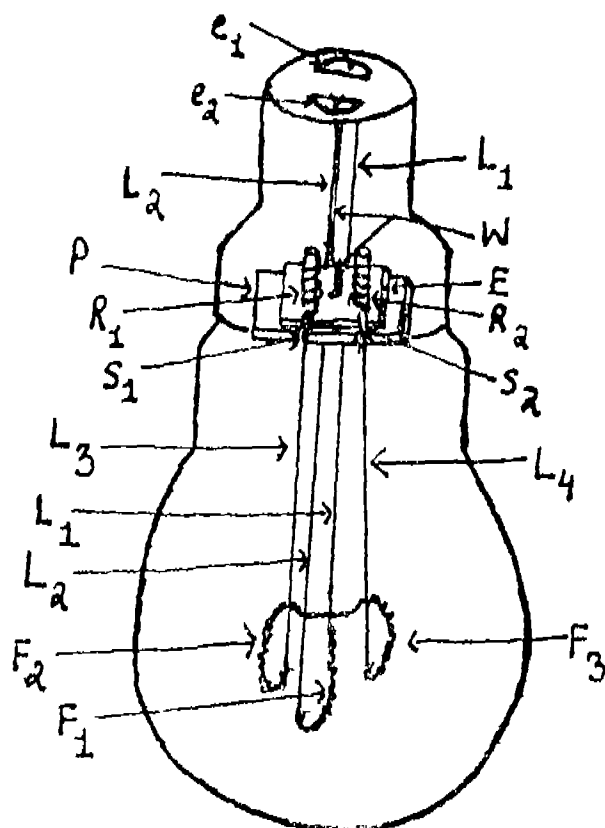
[Patent of addition to Patent No. 159394 dated 12-3-1985]

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 2 Claims

An improved multifilament lamp with a plastic button on the side of the cap of the lamp, the button being connected to the source of power on the top of the cap with a copper wire and consisting of four parts—Part A, Part B, Part C and Part D of which: Part A is an oblong plastic plate which has a strap at its back which helps it fix in the cut in the cap, a hole in the center for the wire that brings power from the top of the cap to stick into it and project on the front face of the plastic plate, two slits in its bottom side to draw the lead-in-wires  $L_3$  and  $L_4$  through them, and two plastic rods to wind the lead-in-wires upon and to serve as terminals; Part B is a plastic tube closed at one end and carrying a metal strip at the other end and acting as a rotating switch; Part C is a plastic box without the bottom side with three holes in it for the tips of the plastic rods on the Part A and the closed end of Part B to emerge through them and which helps to cover the assembly of Part A and Part B and Part D is a plastic tube closed at one end and of such diameter that it fixes

on the closed end of Part-B and which has an arrow like indicator to indicate the position of the metal strip of Part-B.



(Complete Specification 6 pages.

Drawings 1 sheet)

Ind. Cl. : 770 XL (1),

169829

Int. Cl. : C11B 3/00, 3/02, 3/10, 3/16.

#### METHOD OF REFINING GLYCERIDE OILS.

Applicants : HINDUSTAN LEVER LTD., Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-400 020, Maharashtra, India.

Inventors : 1. ROBERT LEO KAREL MARIA, 2. JACOBUS CORNELIS SEGERS, and 3. JANNES GERRIT LAMMERS.

Application No. 170/Bom/89, filed Jun 21, 1989. U.K. Convention date June 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

10 Claims

A method of refining glyceride oil comprising the step of degumming in a conventional manner said glyceride oil, characterized in that said degumming step is followed by a separation step such as microfiltration/agglomeration or both, in which undissolved and non-centrifugable particles are removed from said degummed oil.

(Comp Specn. 22 pages

Drawgs. Nil.)

Ind. Cl. : 32F2(b) IX(1) & 55E2 + E4 XIX(1)

169830

Int. Cl. : C12P 21/00

A PROCESS FOR THE PRODUCTION OF A NEW ANTIBIOTIC DEOXYMULUNDOCANDIN FROM A MICROORGANISM ASPERGILLUS SYDOWII (BEINER AND SARTORY) THOM AND CHURCH VAR, NOV, MULUNDANSIS ROY (CULTURE NO. Y-30462).

3-387 GI/91

Applicants : HOECHST INDIA LIMITED, Hoechst House Nariman Point, 193, Backbay Reclamation, Bombay-400021, Maharashtra, India, An Indian Company.

Inventors : 1. Dr. KIRITY ROY, 2. TRIPTI KUMAR MUKHOPADHYAY, 3. Dr. BIMAL NARESH GANGULI, 4. Dr HERBERT KOGLER, 5 Dr. HANS WOLFRAM FEHLHABER.

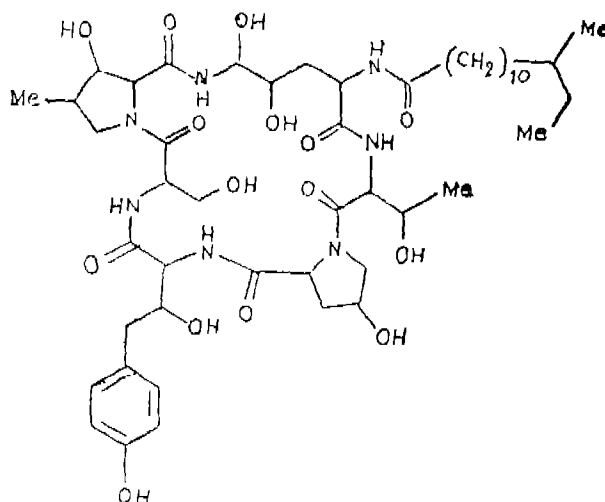
Application No. 297, Bom/89, filed Nov. 3, 1989.

Complete after prov. left on Nov 1, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims

1. A process for the production of a new antibiotic Deoxymulundocandin of the formula shown in Fig. 1 of the drawings accompanying the provisional specification from the microorganism *Aspergillus sydowii* (Bainier and Sartory) Thom and Church var, nov mulundensis Roy (Culture No. Y-30462) said process comprising cultivating the said microorganism by fermentation under aerobic conditions in a nutrient medium comprising carbon sources such as glucose or starch, nitrogen sources such as beef extract, tryptone or yeast extract and inorganic salts such as those of sodium, potassium, magnesium, calcium, iron, zinc, cobalt, manganese, copper, phosphorous or sulphur at 25-30°C and pH 6-7 and isolating and purifying the said antibiotic from the culture broth in known manner.



(Prov. Specification 11 pages.

Drgs. 3 Sheets)

(Complete Specification 16 pages.

Drgs. Nil)

Cl. : 47B.

169831

Int. Cl. : C10j 3/20.

#### A GASIFIER FOR THE HIGH TEMPERATURE COMBUSTION OF A CARBONACEOUS FUEL.

Applicant : Texaco Development Corporation, 2000 Westchester Avenue, White Plains, New York 10650, U.S.A.

Inventor : Alfred Leonard Den Bleyker.

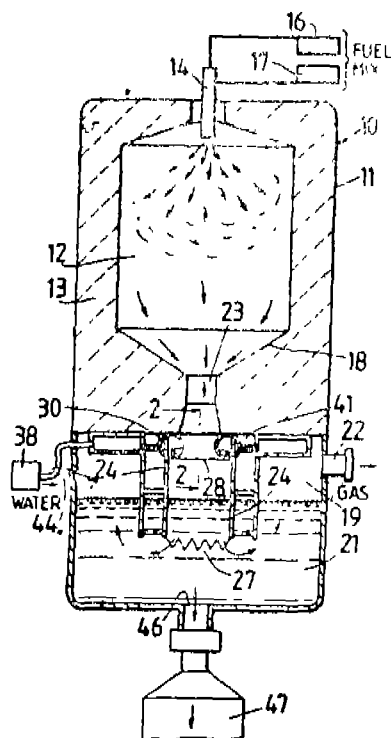
Application No. 1071/Cal/1988 filed December 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A gasifier (10) for the high temperature combustion of a carbonaceous fuel to produce a usable gas, which gasifier includes an insulated shell (11) having a combustion chamber (12) in which the fuel is burned at an elevated temperature and pressure, a quench chamber (19) in said shell

(11) holding a liquid bath (21) for cooling products of combustion, a constricted throat (23) communicating the respective combustion chamber (12) and quench chamber (19), an elongated dip tube (24) having an inner wall (29) which defines a flow guide path (28) between said combustion chamber (12) and said quench chamber (19), and having opposed upper and lower edges (26, 27), a quench ring (30) supportably positioned at the upper end of said dip tube and communicated with a pressurized source of liquid coolant (38), and a drain passage (31) in the quench ring for discharging a flow of liquid coolant (30) along the dip tube inner wall (29) to wet the surface thereof, characterized in that said quench ring (30) has a curved exterior face positioned contiguous with the dip tube inner wall (29) to define a segment of the said flow guide path (28).



(Compl. Specn. 13 pages.)

Drgs. 2 sheets)

Cl. : 127C.

169832

Int. Cl. : F16h 7/00.

**AN ASSEMBLY OF AN OPERATING MACHINE DRIVEN BY A BELT CONNECTED TO AN ELECTRIC MOTOR.**

Applicant : SIFMENS AKTIENGESSELLSCHAFT, WITTELSBACHERPLATZ 2, D-8000 MUNICH 2, WEST GERMANY.

Inventor : Eberhard Breyer.

Application No. 52/Cal/1989 filed 18 January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

An assembly of an operating machine driven by a belt connected to an electric motor comprising :

an operating machine having a machine shaft;

a cantilever extending from the operating machine;

a one-piece intermediate part comprising first and second side pieces that join at an angle at a connecting site, and

being made of a material having a known strength and yield point, the first side piece having a first free end connected to the cantilever, the second side piece having a second free end connected to the cantilever;

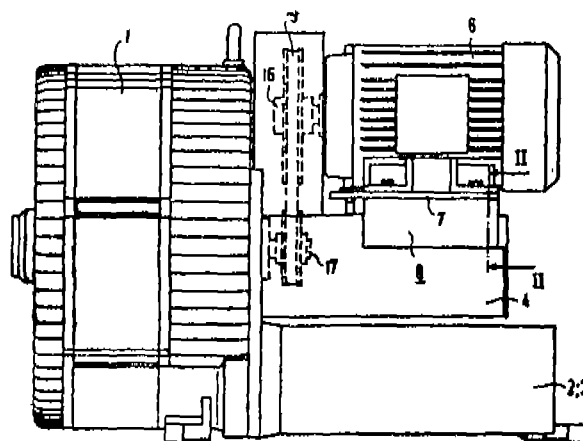
a base plate fastened to the first side piece in the region of the connecting site for supporting the base plate in a way that allows for a vertical swinging motion;

an electric motor having a motor shaft mounted on said base plate with its shaft parallel to the shaft to the operating machine;

a belt coupling the motor shaft to the machine shaft;

at least one adjusting bolt for adjusting the base plate to control the tension of the belt; and

the first side piece extending in the direction of the base plate, and having a length adapted to the length of the base plate and the longitudinal extension of the second side piece from the cantilever to the connecting site dimensioned such that the vertical swinging motion is limited to the strength and yield point of the material



(Compl. Specn. 9 pages.)

Drgs. 1 sheet)

Cl. : 157D5

169833

Int. Cl. : E01b 33/00.

**A RAIL PULLING AND SHIFTING UNIT FOR LONGITUDINALLY SHIFTING RAILS OF LAID TRACKS.**

Applicant : Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H., A-1010 Wien, Johannesgasse 3, Austria.

Inventors : (1) Ing. Josef Theurer, (2) Ing. Johann Hansmann, (3) Friedrich Oellerer, (4) Leopold Rudolf Gruber.

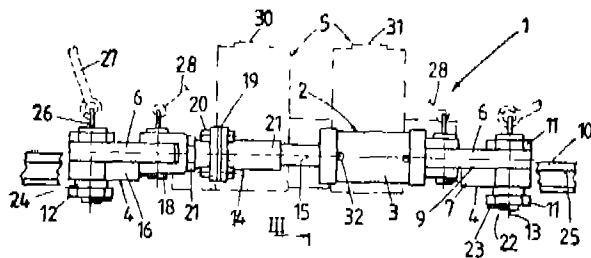
Application No. 88/Cal/1989 filed January 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 21 Claims

A rail pulling and shifting unit for longitudinally shifting rails of laid tracks, more especially for narrowing the interval or gap between two rails to be welded which follow one another in the longitudinal direction, the rail fastenings of the rail to be shifted being undone or loosened, comprising two pairs of rail clamping jaws operable by a hydraulic cylinder-and-piston assembly by which they are also joined together to form a closed, annular mechanical unit, characterized in that the rail shifting unit (1, 86, 121 139) in the form of an annular mechanical unit (29) with correspondingly further spacing of the drive cylinders (3, 87, 120, 151) forming the hydraulic cylinder-and-piston assembly 2, 158) transversely of the rail and of the two

pairs (4, 91, 146) of clamping jaws longitudinally of the rail—is designed for the central accommodation of or arrangement around an, in particular, electrical flash butt welding unit (5, 82, 119, 178).



(Compl. Specn. 39 pages.

Drgs. 3 sheets)

Cl. : 98L

169834

Int. Cl. : F24j 2/00.

#### DEVICES FOR CONVERTING SOLAR ENERGY INTO PROCESS HEAT.

Applicant: (1) Didier-Werke AG., Lessingstr. 16-18, D-6200 Wiesbaden, West Germany and (2) Deutsche Forschungs-Und Versuchsanstalt für Luft-Und Raumfahrt e.V., Linder Höhe, D-5000 Köln 90, West Germany.

Inventors: (1) Michael Geyer, (2) Christian Streuber, (3) Horst Kalfa.

Application No. 240/Cal/1989 filed March 29, 1989.

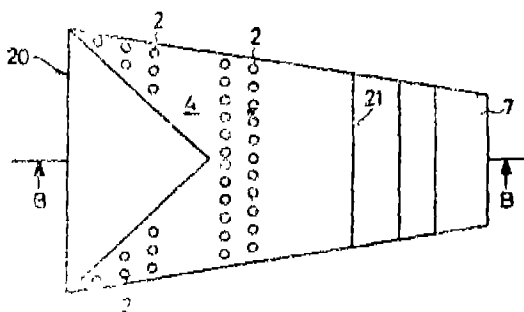
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 21 Claims

An apparatus for converting solar energy into process heat comprising:

means for defining a heat exchanger chamber for receiving sunlight radiation therein;

heat exchanging means in said heat exchanger chamber for absorbing said sunlight radiation and heating therewith a first partial stream of gas flowing through said heat exchanging means and a second partial stream of gas flowing around said heat exchanging means, said heat exchanging means comprising a plurality of spaced heat exchanging pipes traversing said heat exchanger chamber and through which said first partial stream of gas to be heated is fed and around which said second partial stream of gas to be heated is fed.



(Compl. Specn. 23 pages.

Drgs. 2 sheets)

Cl. : 116E.

169835

Int. Cl. : B66f 3/00, 1/08.

#### A MULTIPLE-CYLINDER TELESCOPIC JACK FOR APPLYING A UNIFORM THRUST AT A CONSTANT RATE OF OPENING.

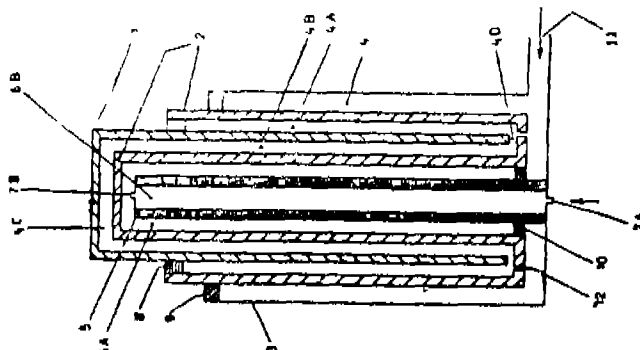
Applicant & Inventors: (1) Protap Kumar Shose, 8A, Amrapali, 10/2, Dimond Harbour Road, Calcutta-700027, West Bengal, India. (2) Pinaki Prasad Shosh, 52 Ekdalla Road, Calcutta-700019, West Bengal, India.

Application No. 244/Cal/1989 filed March 30, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A multiple-cylinder telescopic jack for applying uniform thrust at a constant rate of opening over its entire length of the stroke comprising two stationary cylinders, one being wider than the other, the wider one having one end closed and the other end open, and the narrower one having both ends closed, the two stationary cylinders being mounted concentrically, the closed end of the wider one being rigidly attached to one closed end of the narrower one; two movable cylinders being disposed concentrically in the space between the said two stationary cylinders, one movable cylinder being of single-U shaped longitudinal section, its closed end lying away from the closed end of said wider stationary cylinder in the direction of opening of the jack and the other movable cylinder being of double-U shaped longitudinal section, its middle closed end lying away from the closed end of said wider stationary cylinder in the direction of opening of the jack and two outer mechanically joined ends lying adjacent to the closed end of said wider stationary cylinder, three annular seals, one being fixed to the inner surface of said wider stationary cylinder near its open end and of internal diameter equal to the outermost diameter of said movable cylinder having double-U shaped longitudinal section, another being fixed to the inner surface of the outer cylindrical portion of said movable cylinder having double-U shaped longitudinal section near the open end thereof and of internal diameter equal to the outer diameter of said other movable cylinder having single-U shaped longitudinal section, and the remaining one being fixed to the innermost surface of said movable cylinder having double-U shaped longitudinal section near the two outer mechanically joined ends thereof and of internal diameter equal to the outer diameter of said narrower stationary cylinder; passages at the side of said wider stationary cylinder near its closed end, as well as in the outer mechanically joined ends of said movable cylinder having double-U shaped longitudinal section for the flow of hydraulic oil into and out of the jack, and passages in the two closed ends of said narrower stationary cylinder for the flow of air into and out of the jack.



(Compl. Specn. 15 pages

Drgs. 1 sheet)

Cl. 32F2a+55E4

169836

Int. Cl. C07c 103/19.

PROCESS FOR THE PREPARATION OF AMIDES OF CYCLOMETHYLEN-1, 2-BICARBOXYLIC ACIDS HAVING THERAPEUTICAL ACTIVITY.

Applicant: LABORATORI GUIDOTTI SPA, VIA TRIESTE 40, 56100 PISA, ITALY.

Inventors:

- (1) LUIGI TURBANTI.
- (2) GUIDO CERBAI.
- (3) MARCO CRISCUOLI.

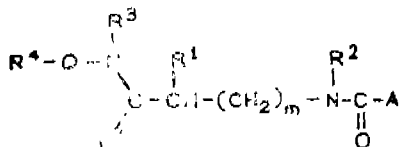
Application No. 283/Cal/1989 filed April 12, 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A process for the preparation of amides of cyclomethylene 1, 2-dicarboxylic acid of formula I as shown in the accompanying drawings, wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$  are as given in Table 'A' of the drawings and  $m=0$  or 1 and  $n$  is an integer varying between 0 and 3 characterised by the following steps:

- (a) condensation in presence of a known condensing agent, of an amino derivative containing a hydroxamic group having the formula VIII of the drawings wherein  $R^1$  and  $R^2$  have the same meaning as before and  $R^6$  represents II or a protecting group such as herein described with a compound selected from a cyclomethylene-1, 2-carboxylic acid having the formula IX and its anhydride and
- (b) removal of protecting group  $R^6$ , if different from II, by e.g. catalytic hydrogenation, from the amide derivatives resulting from said condensation.



Compl. Specn. 22 pages.

Drgs. 1 sheet

Cl. 55E4 55 H

169837

Int. Cl. C07g 17/00.

METHOD OF MAKING A CORE OR MATRIX USEFUL FOR CONTROLLED RELEASE PHARMACEUTICAL COMPOSITIONS FOR ORAL ADMINISTRATION

Applicant: EUROCELTIQUE, S.A., 122 BOULEVARD DE LA PETRUSSE, LUXEMBOURG.

Inventor: BENJAMIN OSHLACK.

Application No. 319/Cal/1989 filed April 25, 1989.

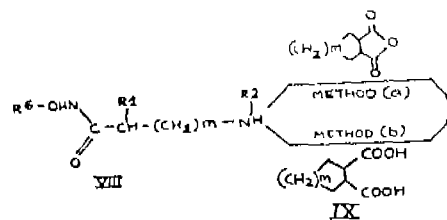
Divided out of application No. 427/Cal/87 dated 1-6-1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

Method of making a core or matrix useful for controlled release pharmaceutical compositions for oral administration and being adapted for distribution therein of a pharmaceutically active agent, the method comprising mixing a higher aliphatic alcohol of 10-18 carbon atoms and a pharmaceuti-

cally acceptable acrylic resin using granulation technique such as herein described and adduis one or more conventional inert auxillary materials, said acrylic resin being added in an amount of 10-60% by weight of the weight of said higher aliphatic alcohol and said acrylic resin.



Compl. Specn. 19 pages.

Drgs. NIL

Cl. 32F1+55D2

169838

Int. Cl. A01n 43/40, C07d 213/08.

A PROCESS FOR PRODUCING 3, 5, 6-TRICHLOROPYRIDIN-2-OL AND ALKALI METAL AND ALKALINE EARTH METAL SALTS THEREOF.

Applicant: LUXEMBOURG INDUSTRIES (PAMOL) LTD., ARAD—ISRAEL.

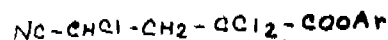
Inventor: YIGAL BECKER.

Application No. 348/Cal/89 filed May 9, 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A process for producing 3, 5, 6-trichloropyridin-2-ol and alkali metal and alkaline earth metal salts thereof, which comprises cyclizing an aryl 4-cyano-2, 2, 4-trichlorobutyrate of the general formula I of the accompanying drawing wherein Ar represents an optionally substituted aryl or heteroaryl radical, as herein described, by heating the compound of formula (I) at a temperature from 100°C to 180°C in an inert organic solvent as herein defined, in the presence of anhydrous hydrogen chloride in amounts of from 0.1 to 2 parts by weight per 1 part by weight of compound of formula (I) and, if desired, converting in a known manner the 3, 5-6-trichloropyridin-2-ol thus obtained to an alkali metal or alkaline earth metal salt thereof.



Compl. Specn. 22 pages.

Drgs. 1 sheet

Cl. 134D, 24F.

169839

Int. Cl. F16d 51/00.

AUTOMOBILE DRUM BRAKE OF THE DUO-DUPLEX TYPE.

Applicant: ROCKWELL GOLDE GMBH, HANAUER LANDSTRASSE 338, 6000 FRANKFURT AM MAIN 1, F.R. GERMANY.

Inventors:

- (1) PETER BAUM.
- (2) DAVID EDWARDS.

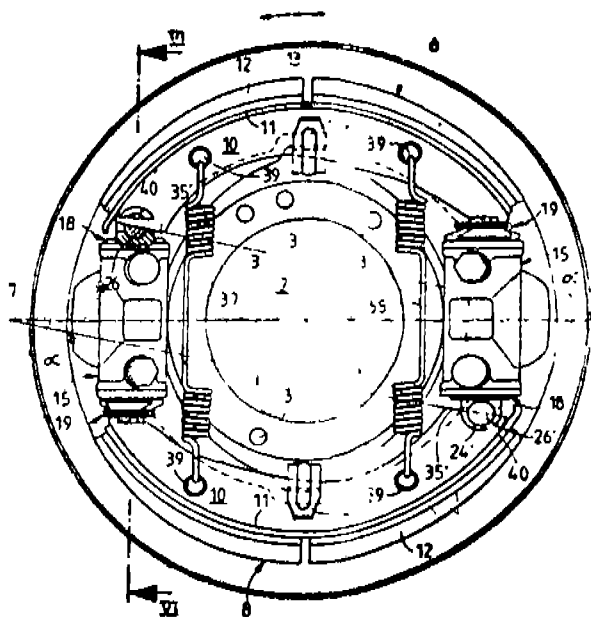
Application No. 534/Cal/1989 filed July 10, 1989.

Divided out of Patent application No. 902/Cal/86 December 10, 1986.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 7 Claims

Automobile drum brake of the duo-duplex type, comprising two brake shoes floatingly disposed on a brake bracket which are each supported slidably at their two web ends on two tightening devices acting in both directions and rigidly mounted diametrically opposite one another on the brake bracket and are connected to each other by check springs, characterized in that, on the two tightening devices (15) and at opposite sides thereof, a support pin (26') is provided, which is mounted on a tightening element (stop piston 18) of the tightening device (15) rotatably about its axis (31') orientated perpendicularly to the brake bracket (1), and is equipped with a bearing surface (base surface 34') situated depressed with respect to its circumferential surface, which (bearing surface) extends rectilinearly transversely to the axis (31') of the support pin (26') and on which a correspondingly rectilinearly extending counter-surface (35') disposed at the associated end of the brake shoe web (10) is slidably journaled, the counter-surface (35') being orientated convergingly towards the brake centre at an acute angle ( $\alpha$ ) to the axis of symmetry (7) of the brake bracket (1).



Compl. Specn. 16 pages.

Drgs. 3 sheets

Cl.: 9E, 206E.

169840

Int. Cl. H01R 1/00, 31/00, C22c 21/00.

PROCESS FOR PREPARING A NEGATIVELY-DOPED HYDROGENATED AMORPHOUS SILICON ALLOY.

Applicant: SOLAREX CORPORATION, 1335 PICCARD DRIVE, ROCKVILLE, MARYLAND 20805, U.S.A.

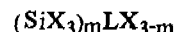
Inventor: CHARLES ROBERT DICKSON.

Divisional out of No. 123/Cal/87 Ante dated to 13th February 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 8 Claims

A process for preparing an improved negatively-doped hydrogenated amorphous silicon alloy by deposition of a known negatively doped hydrogenated amorphous silicon alloy film onto a substrate such as herein described in a deposition chamber into which a deposition gas mixture such as herein described is introduced characterised in that said gas mixture includes at least one dopant having the formula:



wherein L is a group 5A atom selected from the group of phosphorous, arsenic, antimony or bismuth, X is hydrogen, halogen or mixtures thereof, and m is an integer between 1 and 3, inclusive.

Compl. Specn. 69 pages.

Drgs. 7 sheets

Ind. Class: 69-A&B-[GROUP-LIX(1)]

169841

Int. Cl.: H 01 H 71/04.

A DIGITAL SOLID-STATE TRIP RELEASE SYSTEM FOR A CIRCUIT BREAKER.

Applicant: MERLIN GERIN, OF RUE HENRI TARZE, F 38050 GRIGNOLE CEDEX, FRANCE, OF FRENCH NATIONALITY.

Inventors:

(1) VINCENT CORCOLES.

(2) MAURICE DANO.

Application No. 532/MAS/87 filed July 24, 1987.

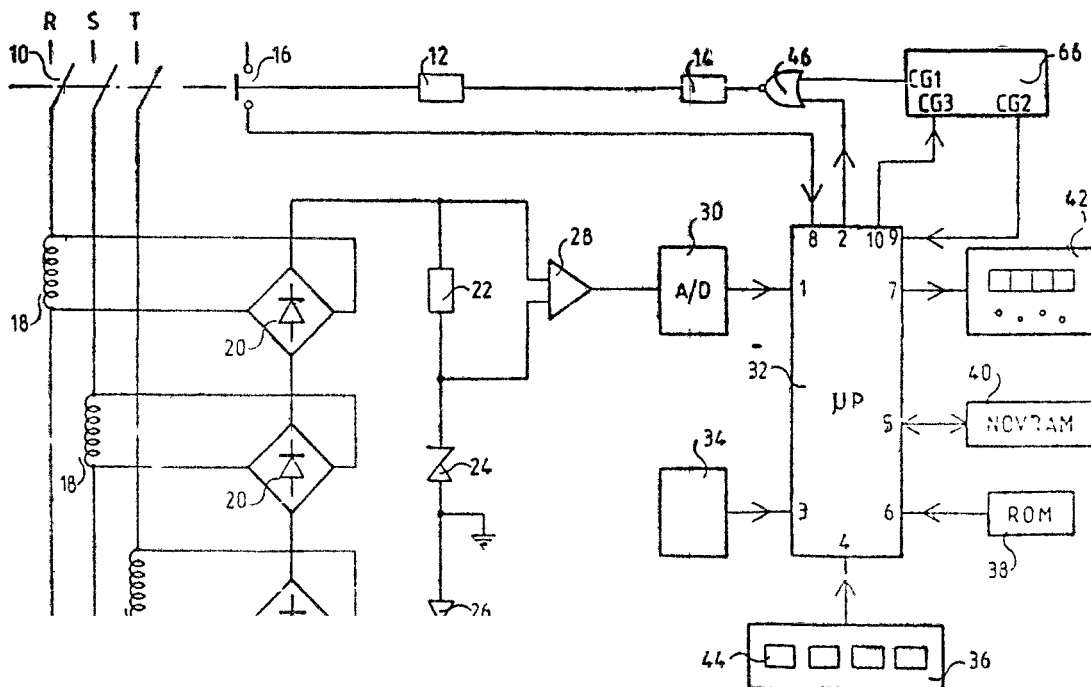
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 5 Claims

A digital solid-state trip unit for an electrical circuit breaker with separable contacts comprising current sensors (18) for generating analog signals proportional to currents flowing in conductors (R, S, T) protected by the circuit breaker, rectifier means (20) connected to said current sensors, an analog-to-digital converter (30) having an input connected to the output of said rectifier means, a microprocessor-based digital processing unit connected to the output of said converter for generating a tripping order when present thresholds are exceeded by the current signals, said microprocessor (32) generating a periodic signal (CG3) indicative of periodic digital processing, circuit breaker tripping means (12, 14) actuated by said tripping order, and means (66) for monitoring said microprocessor, including means for detecting said periodic signal (CG3) and generating a microprocessor reinitialization order (CG2) if said periodic signal is not detected during a first predetermined time period, trip

unit, characterized in that said monitoring means (66) comprises means for generating a second tipping order (CG1) if said periodic signal (CG3) is not detected during a second.

predetermined time period, longer than that said first time period.



Orwgs. 3 sheets)

Ind. Class : 23-B&H—[GROUT— XI (3)]

169842

Int. Cl.<sup>4</sup> : B 65 D 1/22.

A CONTAINER FOR A COMPRESSED BLOCK OF TOBACCO.

Applicant: GALLAHER LIMITED, A BRITISH COMPANY OF MEMBERS HILL, BROOKLANDS ROAD, WEYBRIDGE, SURREY KT13 0QU, ENGLAND.

Inventor: BARRY PHILLIP BAKER.

Application No. 719/MAS/87 filed October 6, 1987.

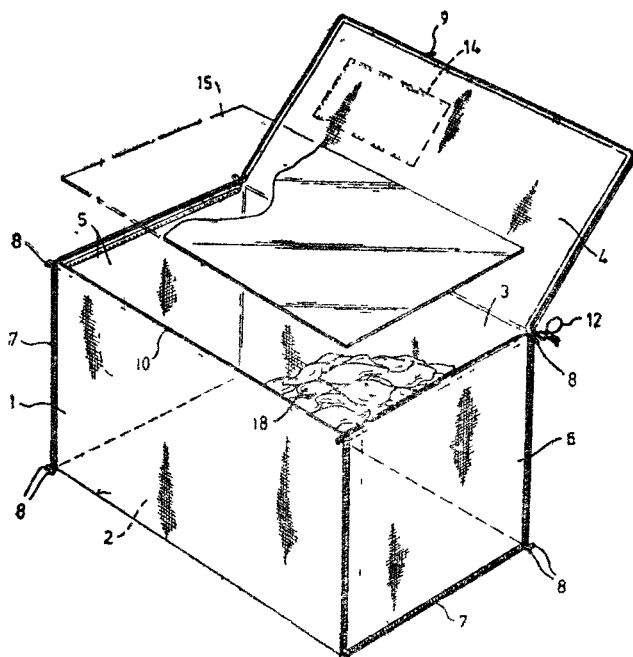
Convention date: October 13, 1986; (No. 8624480; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A container for a compressed block of tobacco, comprising rectangular bottom, top front rear and two side walls (2, 3, 4, 5, 6) of which at least the front, rear and side walls (2, 3, 6) are formed of pliable sheets of non-shape sustaining fabric; and the top wall (4) being connectable by

a sliding clasp fastener (9-12) along at least three edges of the top wall to the adjacent upper edges of adjacent walls.



(Comp.-9 pages;

Drwgs.-2 sheets)

Ind Cl. 168 C [GROUP LI (4)]

169843

Int. Cl. G 11 B 5, 84.

A METHOD OF MANUFACTURING AN ELECTRONIC MEMORY CARD AND AN ELECTRONIC MEMORY CARD PRODUCED BY ABOVE METHOD

Applicant SCHUMBERGER INDUSTRIES, a French company, of 50, Avenue Jean Jaures—92120 Montrouge, France

Inventors

(1) MARC BRIGNET

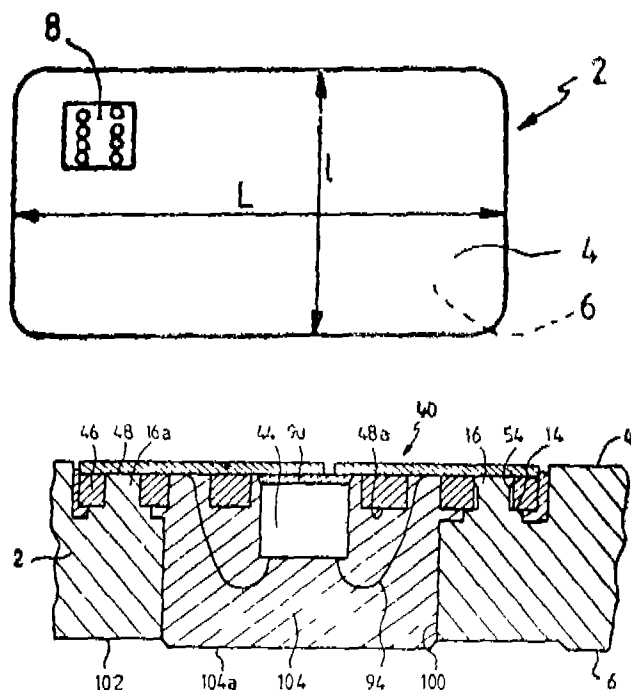
(2) EMILE DROCHE.

Application No 722/MAS/87 filed on 7th October 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras

8 Claims

A method for manufacturing an electronic memory card comprising a card body which is substantially in the form of a rectangular parallelepiped having two main faces and an electronic module constituting a data medium, characterised in that, the method comprising the steps of: providing a mold having an inner mold volume limited by two parallel substantially rectangular main faces and an edge, said main faces being separated by a distance less than 1 mm, one of said main faces being provided with a projection for defining a cavity in the card body; injecting into said mold volume a thermo plastic material; solidifying the thermo plastic material in a known manner; opening the mould for unmolding the card body so obtained; providing an electronic module; and fixing said electronic module into the cavity produced by the projection of said mold.



(Com. Spec—14 pages,

Drgs—4 sheets)

169844

Ind Cl. 201 D & 70 C<sub>4</sub> [GROUPS II (4) & LVIII (5)]

Int Cl. C 02 F 1/46

A PROCESS FOR REDUCING HEXAVALENT CHROMIUM PRESENT IN CHROMIUM BEARING STREAMS TO TRIVALENT CHROMIUM

Applicant SOUTHERN PETROCHEMICALS INDUSTRIES CORPORATION LTD, 97 Mount Road, Madras-600 032, Tamil Nadu, India, an Indian Company.

Inventors

(1) CURUJAN, J. RAMANIAM.

(2) SELAIYAN, V. RAMACHANDRAN

Appointed 7th January, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras

6 Claims

A process for reducing hexavalent chromium present in chromium bearing streams to trivalent chromium comprising the steps of generating ferrous ions by passing acidified water, containing 0.01 to 2.0% w/w of one or more of the following acids namely hydrochloric, nitric and sulphuric at pH 1.0 to 2.5 as electrolyte, through one or more electrolyzers, continuously treating a part or the whole of the stream of acidified electrolyte leaving the electrolyser, in a reaction tank, with a stream containing hexavalent chromium of pH between 7 and 10 at a volumetric ratio 1:100 to 1:1500 to reduce the hexavalent chromium in the stream to trivalent chromium, with the precipitation of chromium and ferric hydroxide; and separating the precipitate there-after

(Com. Spec—10 pages;

Drgs.—Nil)

Ind Cl. 107 I [GROUP XLVI (2)]

169845

Int. Cl. F 02 M 7/00

CARBURATOR FOR INTERNAL COMBUSTION ENGINES

Applicant DELL'ORTO Sp.A.—Via S. Rocco, 5—20038 Serengo (Milano) Italy, a Italian Company.

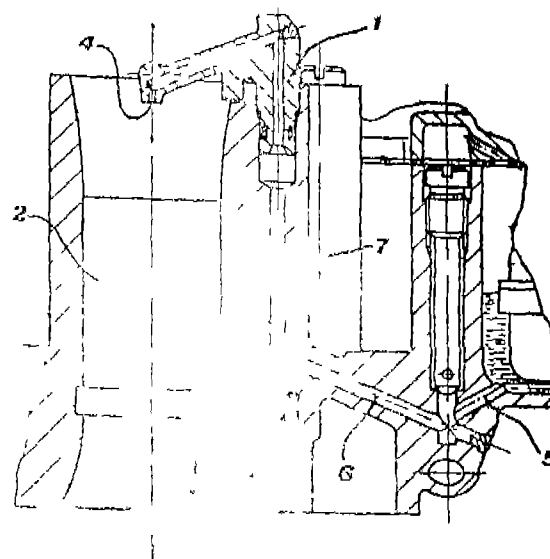
Inventor. PIERLUIGI DELL'ORTO.

Application No 121/MAS/88 filed on 26th February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

4 Claims

Carburetor for two-stroke internal combustion engines with main over-tuned duct and flat shutoff valve, especially for motorcycles and motorcycles, characterized in that it comprises an air/fuel enrichment circuit with power jet, which operates when engine peak performances are required, an electrically operated coil which automatically controls fuel supply from the tank to the carburetor, and an automatic starting device.



(Com. Spec 8 pages;

Drgs.—4 sheets)

Ind. Cl.: 52 B [GROUP IX (4)]

169846

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

Int. Cl.: C 07 C 2/12.

# A CATALYTIC PROCESS FOR CONVERTING AN ETHENE-CONTAINING LOWER OLEFINIC FEEDSTOCK TO A HEAVIER LIQUID HYDROCARBON PRODUCT.

Applicant: MOBIL OIL CORPORATION, a corporation organised under the laws of the State of New York, U.S.A., of 150 East 42nd Street, New York, New York 10017, United States of America.

## Inventors:

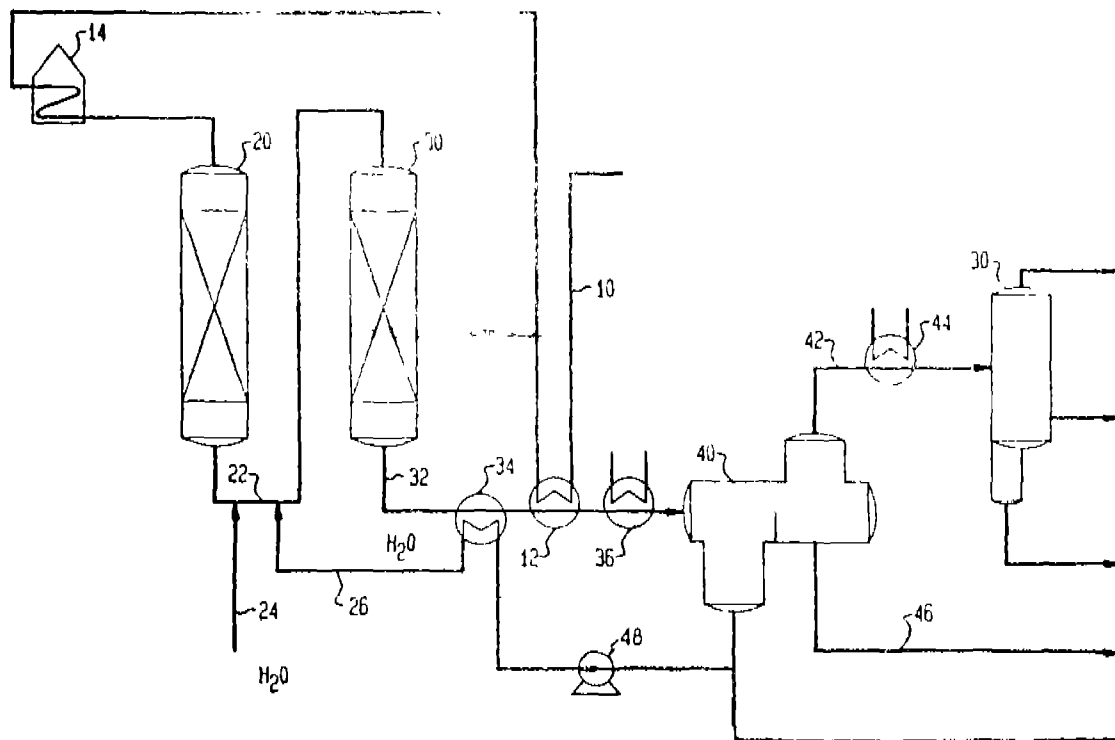
- (1) WILLIAM EVERETT GARWOOD.
- (2) FREDERICK JOHN KRAMBECK.
- (3) JOHN DOUGLAS KUSHNERICK.
- (4) SAMUEL ALLEN TABAK.

Application No. 520/MAS/87 filed on 21st July, 1987.

## 3 Claims

A catalytic process for converting an ethene-containing lower olefinic feedstock to a heavier liquid hydrocarbon product, comprising the step of:

reacting the ethene-containing feedstock having at least 5 mol% ethene and a reducing gas hydrogen, at a temperature of from 100 to 450°C with a catalyst having ionic  $Ni^{+2}$  and a shape-selective, medium pore size, acidic zeolite component to convert at least a portion of the lower olefinic component to heavier hydrocarbons, the feedstock containing water in a molar ratio of at least 0.1 moles per mole of hydrogen during the reaction so as to maintain the nickel component in an oxidized state, the zeolite component having a silica-to-alumina molar ratio greater than 12 and a constraint index of 1 to 12.



(Com. Spec.—15 pages;

Drgs.—3 sheets)

Ind. Class—178—[GROUP—XXV(3)]

169847

Int. Cl.: C 01 B 31/06 and B 23 P 5/00.

# A PROCESS FOR PRODUCING DIAMOND GRAINS HAVING IMPROVED CUTTING ABILITY

Applicant: FIRMA ERNST WINTER & SOHN (GmbH & CO.), OF OSTERSTRASSE 58, 2000 HAMBURG, 19, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor: DIETRICH BORSE.

Application No. 519/MAS/87 filed July 21, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

A process for producing diamond grains having improved cutting ability comprising embedding diamond grains in a powder of metals such as, iron, cobalt, nickel and a mix-

ture or alloy of these metals having a grain size of less than 20 rim, heating the embedded diamond grains in a stream of hydrogen at a temperature of 700 to 900°C to obtain diamond grains having at least twice the surface area compared to their initial surface area.

(Com.—10 pages;

Drwgs.—1 sheet)

Ind. Class: 69-I—[GROUP—LIX(1)]

169848

Int. Cl.: H 01 H 71/04.

# A DIGITAL SOLID-STATE TRIP UNIT FOR AN ELECTRICAL CIRCUIT BREAKER WITH SEPARABLE CONTACTS

Applicant: MERLIN GERIN, OF RUE HENRI TARZET 28050 GRENORIE CEDEX FRANCE, A COMPANY INCORPORATED UNDER THE LAWS OF FRANCE.

Inventors :

- (1) VINCENT CORCOLES.
- (2) LUC WEYNACHTER.

Application No. 531/MAS/87 filed July 24, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims

A digital solid-state trip unit comprising.

an electrical circuit breaker with separable contacts,

detection circuit means for generating an analog signal proportional to current flowing in a conductor protected by the circuit breaker;

an analog-to-digital convertor connected to said detection circuit means, for converting said analog signal into sampled digitized signal;

a microprocessor based digital processing unit connected to said analog-to-digital convertor to generate a tripping order after at least one of a long time delay and short time delay when said sampled digitized signal exceeds respective predetermined thresholds, said tripping order being time de-

layed as a function of a magnitude of said sampled digitized signal;

means responsive to said tripping order, for opening said separable contact;

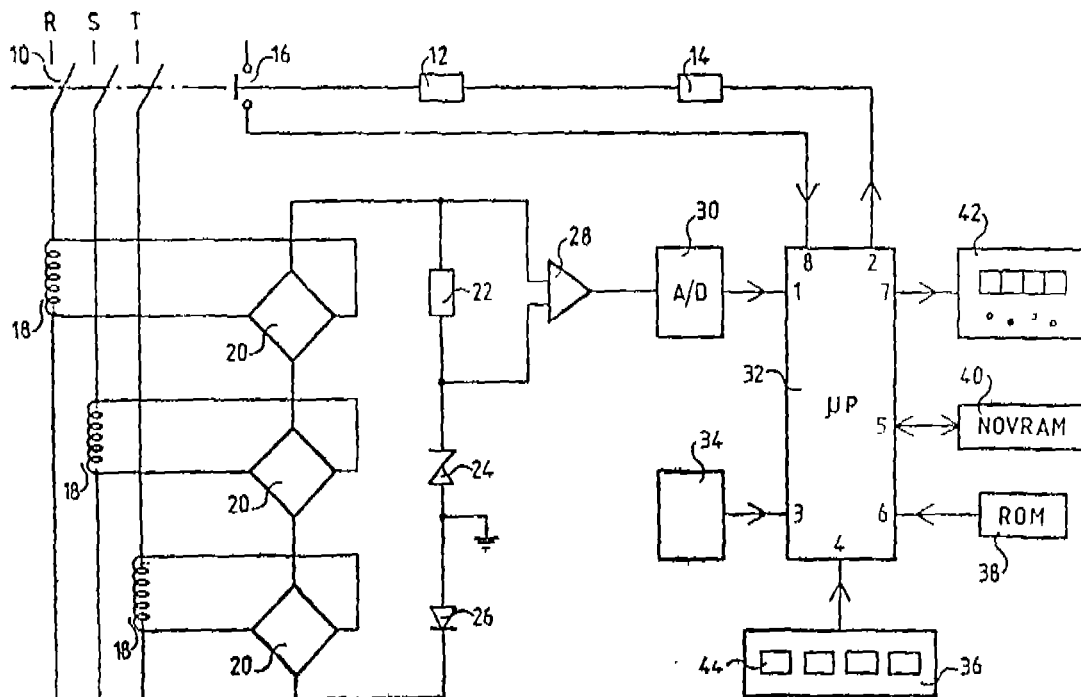
said digital processing unit comprising :

means for detecting a maximum value of current broken each time said separable contacts open by comparison between the successive values of said digitized signals which are applied to said processing means between the time the circuit breaker tripping order is generated and effective opening of the contacts occur;

means for generating, upon each opening of said separable contacts, a wear value representative of wear of said separable contacts as a function of a respective said maximum value of current;

means for calculating a sum of a succession of said wear values generated from a succession of said contact openings;

means for storing said sum in a memory; and means for displaying said sum to provide an indication of a degree of wear of said contacts.



(Com.—15 pages;

Drwgs.—3 sheets)

Ind. Class : 129-G—[GROUP—XXXV]

169849

Int. Cl. : B 23 P 5/00.

B 24 B 53/047.

#### DRESSING TOOL FOR GRINDING WHEELS

Applicant FIRMA ERNST WINTER & SOHN (GmbH & CO.), OF OSTERSTRASSE 58, 2000 HAMBURG 19, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY

Inventor : DIETRICH BORSE

4—387 GI/91

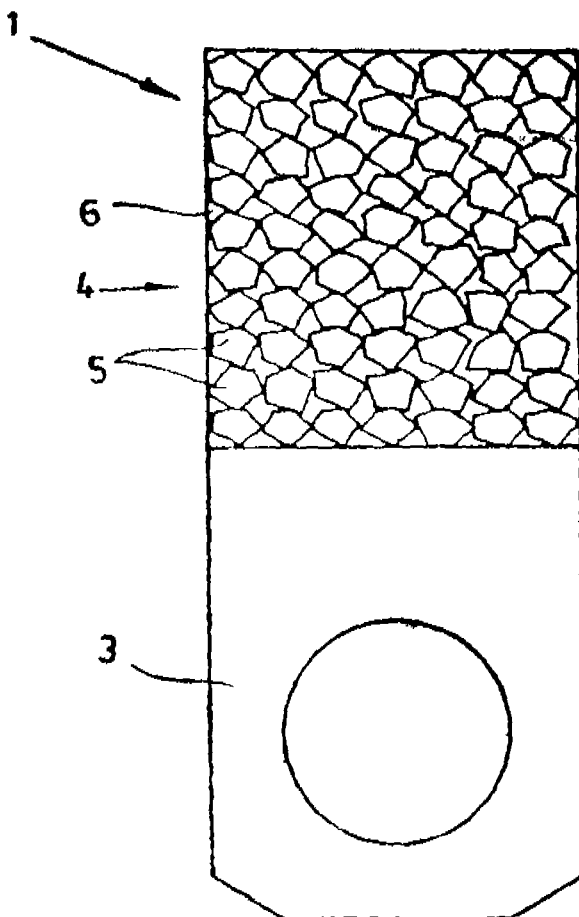
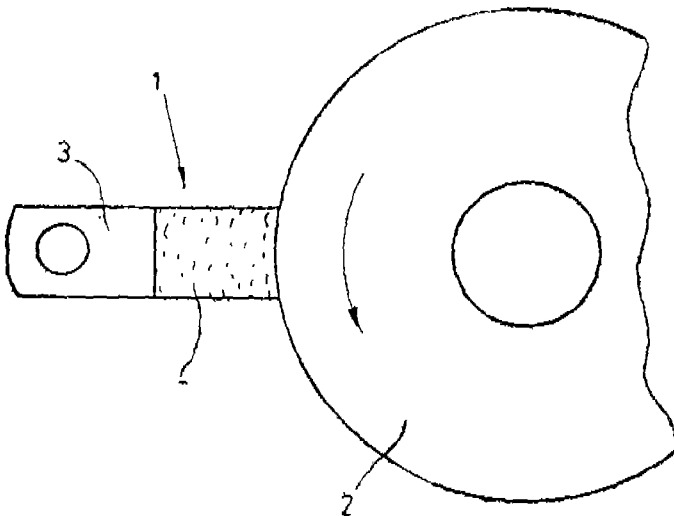
Application No. 518/MAS/87 filed July 21, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 8 Claims

A Dressing tool for grinding wheels comprising a base body, having a metallic bonding surface characterised in that at least on a portion of the said bonding surface artificially

treated diamond grains having at least twice the surface area compared with the natural surface area of the diamond grains are embedded with the majority of said diamond grains being in direct contact with adjacent diamond grains.



(Com.—13 pages;

Drwgs.—3 sheets)

Ind. Cl.: 131B4 [GROUP XXVIII (3)]

169850

Int. Cl.: E 21 B 4/00.

AN ACTIVATED EARTH OR BOREHOLE DRILL FOR EARTH DRILLING

Applicant: HANNELORE BECHEM, of German nationality of Speerstrasse 25, CH-8738 Uetliburg, Switzerland.

Inventors:

(1) ULRICH WILHELM BECHEM.

(2) KLAUS BECHEM.

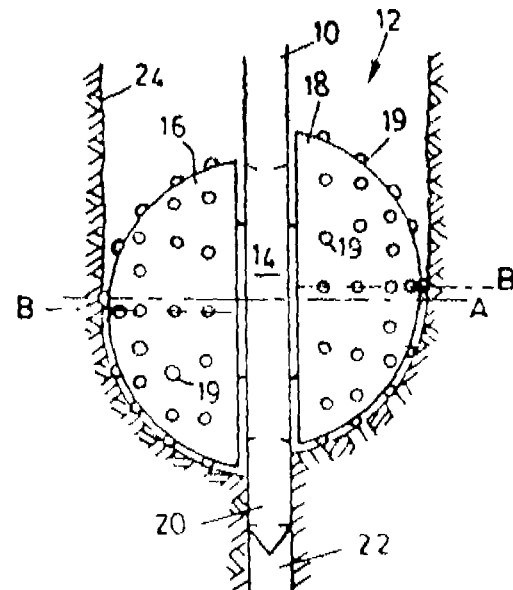
(3) PHILIP CARL BECHEM.

Application No. 284/MAS/87 filed on 16th April 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

#### 11 Claims

An activated earth drill comprising a drill rod (10), a drill bit (12) which is attached to the rod characterized in that the drill bit (12) has two opposed drive shafts (26) which are substantially transverse to the axis of the drill rod (10), drive means (28,40) for driving the shafts (26) and two rock cutters (16, 18) eccentrically mounted on each of the drive shafts (26).



(Com. Spec.—12 pages;

Drwgs.—2 sheets)

#### RENEWAL FEES PAID

148551 148580 148974 149405 149834 149971 149996 150804  
151002 151330 151416 151807 152513 152572 152573 153450  
153451 153476 153610 153612 153696 154105 154108 154418  
154449 154609 154708 154740 154772 154870 154905 155268  
155627 155846 155935 156023 156063 156261 156400 156561  
156789 156819 156873 157159 157319 157617 157649 157901  
158148 158502 158592 159109 159138 159500 159531 159666  
159667 159691 159933 161017 161082 161344 161516 161517  
161676 161792 161982 162639 162710 163323 163440 163529  
163766 163870 163971 164094 164169 164219 164341 164735  
164928 165202 165203 165368 165391 165450 165532 165578  
165628 165799 165988 165989 166050 166119 166231 166232  
166233 166234 166235 166408 166707 166746 166812 166870  
166934 166944 167063 167167 167175 167178 167189 167213  
167242 167245 167246 167247 167249 167258 167263 167281  
167290 167296 167373 167383 167429 167434 167448 167461  
167465 167526 167560 167657 167726 167727 167788 167821  
167824 167825 167827 167828 167861 167862 167864 167865  
167866 168233 168256 168443 168489.

## PATENT SEALED

158168 166884 166890 167328 167999 168000 168801 168002  
168003 168004 168005 168006 168007 168008 168011 168012  
168013 168014 168015 168016 168017 168044 168052 168084  
168085 168086 168087.

Cal—14  
Del—04  
Mas—09  
Rom—Nil.

## CESSATION OF PATENTS

151489 154082 154083 154084 154086 154087 154090 154093  
154094 154096 154097 154102 154103 154104 154109 154111  
154112 154118 154119 154120 154122 154123 154125 154129  
154130 154135 154139 154142 154143 154145 154149 154150  
154151 154153 154157 154158 154160 154161 154162 154164  
154165 154166 154168 154170 154175 154177 154178 154183  
154184 154186 154188 154189 154191 154192 154193 154194  
154197 154198 154199.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157971 granted to Rocco Palamara and Bruno Palamara for an invention relating to "modular building elements which from when assembled to a network of conglomerate or reinforced concrete to form a bearing structure which is also anti-seismic."

The patent ceased on the 8th September 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154852 granted to DCM Shriram Consolidated Ltd., for an invention relating to "a process for manufacture of portland cement form waste sludge."

The patent ceased on the 29th September 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158937 granted to Sir Padampat, Research Centre for an invention relating to "a process for obtaining pure aminocarboxylic acids."

The patent ceased on the 8th November 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158938 granted to Sir Padampat Research Centre, for an invention relating to "a process for removal of low molecular weight compounds from polycapromide or its copolymers."

The patent ceased on the 8th November 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158939 granted to Sir Padampat Research Centre for an invention relating to "a process for the preparation of a concentrated solution of 6-amino caproic acid."

The patent ceased on the 8th November 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159116 granted to Sir Padampat Research Centre for an invention relating to "a process for the preparation of polycapromite or its copolymers."

The patent ceased on the 8th November 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160351 granted to The Chief Controller Research & Development for an invention relating to "a process for the preparation of modified lead zirconate titanate ceramic."

The patent ceased on the 23rd September 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160443 granted to Chief Controller Research & Development for an invention relating to "a heating bag and a method to the manufacture thereof."

The patent ceased on the 21st September 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160621 granted to National Research Development Corporation of India for an invention relating to "improvements in or relating to blood storage containers of bags."

The patent ceased on the 15th October 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163641 granted to Kenrich Petrochemicals Inc., for an invention relating to "a process for preparing phosphatitanate adducts."

The patent ceased on the 19th August 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163644 granted to Kenrich Petrochemicals, Inc., for an invention relating to "a process for preparing a phosphatitanate adduct."

The patent ceased on the 19th August 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163645 granted to Kenrich Petrochemicals, Inc., for an invention relating to "a process for preparing a phosphatitanate adduct."

The patent ceased on the 19th August 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 164482 granted to Kenrich Petrochemicals, Inc., for an invention relating to "a method of preparing a filled polymeric composition."

The patent ceased on the 19th August 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam

Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165360 granted to The Comptroller, University of New Mexico & Robert Bruce Cushman for an invention relating to "a surgical device comprising a surgical clip and an applier tool for applying said surgical clip."

The patent ceased on the 24th October 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165838 granted to M & T Chemicals, Inc., for an invention relating to "Coating hood of applying a protective coating to glass containers."

The patent ceased on the 27th May 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166187 granted to Azionaria Costruzioni Machine Automatiche A.C.M.A. SPA. for an invention relating to "a supply device for supplying flattened boxes to a packaging machine."

The patent ceased on the 12th July 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the

nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166654 granted to Bast Lacke+Farben Aktiengesellschaft for an invention relating to "Process for preparing nitrogenous unsaturated himopolymerizable and/or copolymerizable polyester."

The patent ceased on the 24th July 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14th December 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th February 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (DESIGN)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration.

Nos. 155115 to 155120, 156383 to 156401, 157327, 157328, 157602, 157699 to 157720, 157721, 159083 to 159108, 153842 to 153859, 155108 to 155114.

INTERIEGO A.G., a Swiss Company, Sihlbruggstrasse 3, CH-6340 Baar, Switzerland.

Nos. 155678, 155679, 155681, 155683 to 155686.  
Khaikan (India) Pvt. Ltd., 46C, I. L. Nehru Road, Calcutta-700071, W.B., India.

#### REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1 Nos. 163461 to 163464. Italica, 143/28, 11, Ajit Industrial Estate, Rajkot-360003, State of Gujarat, India, an Indian Proprietary firm "Handle", 29th July 1991.

Class 1. Nos. 163465 & 163466. Italica, 143/28, 11, Ajit Industrial Estate, Rajkot-360003, State of Gujarat, India, an Indian Proprietary firm. "Italica". 29th July 1991.

Class 1. Nos. 163578. Diamant Boart India Private Limited, a Company incorporated under the Indian Companies Act, having its office at Maneckji Wadia Building, 127, Mahatma Gandhi Road, Fort, G.P.O. Box No. 890, Bombay-400 023, in the State of Maharashtra within the Union of India. "Saw". 4th September 1991.

Class 3. No. 163251. Velsons Plastic Industries, C-13, Khalsa Motor Industrial Estate, Subhash Nagar, Bhandup (West) Bombay-400078, Maharashtra, India, an Indian Partnership firm. "Torch". 16th May 1991.

Class 3. No. 163298. C.A. Ford Pty. Ltd., a company incorporated under the laws of the State of Victoria, of 19 Clarice Road, Box Hill, Victoria 3128, Australia, "Furniture Support Base". 6th June 1991.

Class 3. No. 163509. Sandar Gurudas Singh Bedi having his office at 16th Municipal Industrial Estate, Clerke Road, Bombay-400 011, in the State of Maharashtra within the Union of India trading under the name and style of Volga Confectionery Works, a sole Proprietary concern, of above address. "Container". 12th August 1991.

Class 3. Nos. 163563 & 163564. Jemson India, 41/6, Kendua Main Road, Garia, Calcutta-700 084, West Bengal, India, an Indian Proprietary firm. "Bottom with cap". 4th September 1991.

Class 3. No. 163565. Jemson India, 41/6, Kendua Main Road, Garia, Calcutta-700 084, West Bengal, India, an Indian Proprietary firm. "Mosquito Repeller". 4th September 1991.

Class 3. No. 163597. B.R. Plastics, 314, A-Z, Industrial Estate, 3rd floor, G Kadam Marg, Bombay-400013, Maharashtra, India, a registered partnership concern. "MUG". 16th September, 1991.

Class 3. No. 163719. Anoo Controls, C-255, Mayapuri Industrial Area, Phase-II, New Delhi-110064, India a Partnership firm. "Room Thermostat". 29th October 1991.

Class 4. No. 163250. McDowell & Co. Ltd., an Indian Company, of McDowell House, 3, Second Line Beach, P.O. Box No. 36, Madras-600 001, Tamilnadu, India. "Bottle". 15th May, 1991.

Class 5. Nos. 163566 to 163568. Jemson India, 41/6, Kendua Main Road, Garia, Calcutta-700 084, West Bengal, India, an Indian Proprietary firm. "Container". 4th September 1991.

Class 10. No. 163575. Mehul Enterprises, having its place of business at 158, Ramkushanwadi, Station Road, Bhandup (West) Bombay-400 078 in the State of Maharashtra within the Union of India, a registered Partnership firm. "Footwear Sole". 4th September 1991.

Class 10. No. 163576. Grip Enterprises, having its place of business at Room No. 76, Pipermentwala Estate, Station Road, Bhandup (West), Bombay-400 078 in the State of Maharashtra within the Union of India, a registered partnership firm. "Footwear Sole". 4th September 1991.

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Nos. 151761, 151762, 151763 & 151764 . . . . . Class 3

R. A. ACHARYA

Controller General of Patents, Designs and Trade Marks

प्रबन्धक, भारत सरकार मद्रासालय, फरीदाबाद द्वारा म'  
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित,

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